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OFFICIAL PAPERS.

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Inquiry into the cause of the Wrecks at the Sandheads during the recent Cyclone.

In re "Champion."

Proceedings of a Committee of Inquiry into the cause of the wreck of the vessels "Omaha," "Champion," "Rothesay," *and* "Solway," *holden on the* 19*th July* 1872, *in pursuance of orders from the Lieutenant-Governor, dated* 11*th July* 1872.

Members.

CHARLES MILLER, ESQ., *Magte. of Police, S. Divn., Calcutta.*

CAPTAIN E J. BUTLER, *First Assistant Master-Attendant.*

Joshua Joudron saith,—I was the Commander of the British barque *Champion* of 486 register. She was a wooden vessel, classed A1. eleven years, since 1861. The crew were fifteen all told including the mates. We were bound to Bourbon *vid* Mauritius for orders, and we left Calcutta on the 24th June last. We got out to sea on 27th. Our pilot was Mr. Lindquist, and we had a leadsman on board named Sparling. About fourteen hours after the tug left us, a gale came up from the southward and struck us; the first wind was from the S.S.W. We saw no pilot brig, so Mr. Lindquist kept charge of the ship. We were on the starboard tack heading S E. The barometer was falling a little at a time; I think that it was 29·40 on the 28th June. On that day the weather was squally and heavy, and there was a heavy sea. We shipped one, which carried away our long boat, a hawser that was coiled on the deck, and all the movable things about the deck. This was on the 28th instant. Towards the latter end of the day the wind veered gradually to the southward and eastward. About 7 P.M. we sighted the Mutlah light, bearing about N.E. The pilot told me it was the Mutlah light. We were still on the starboard tack; and at about midnight the Mutlah light was bearing E. The pilot and I decided to anchor. The wind was varying between S.E. and S. The pilot thought that we could not weather the Sandheads on the other tack. We had hardly any sail, and very little headway. We were drifting to leeward. We could not make offing enough after getting out before the breeze took us. We anchored with the Mutlah light bearing S E. three miles

off. We sounded and got eleven fathoms. The starboard chain parted after a couple of hours. The port one held on the remainder of the night and all next day up to about midnight, when it parted. During the day we had decided that we would cut away part of the spars to ease her. We cut away the main topmast, which took away the mizen topmast with it. This relieved the vessel very much. It was blowing very hard, and when the port chain parted, we could not set any sail, and we were drifting rapidly to the north. We once got into five fathoms. She shipped a heavy sea over the quarter-deck, and it carried away our wheel chain, broke the tiller, smashed the skylight, and damaged the rudder, and stove in our gig into atoms. I was nearly washed overboard myself. The wind veered from S.E. round to N.E. about that time, and drove us into deep water. We had no steering apparatus. We tried to steer by a spare tiller, but she would not steer at all. The main portion of the rudder was split, and next night the rudder carried away altogether. This was on the night of the 30th June. The wind was then awful. The wind veered right round us from S.E. to S.W.

I have a practical knowledge of the law of storms. We put our ship on the port tack when the gale increased. I considered that we were following the wind. During the gale all our best sails with double gaskets on them were blown away in ribbons from the yards. I think that we were very near the centre of the cyclone. I think that the centre passed slightly to the southward of us. On the night of the 30th June as the gale was blowing its hardest, we found that we had sprung a leak, and we concluded that it was caused by the rudder having torn the gudgeons off the stern posts. The ship took a heavy list to the starboard, and we could not keep her clear by the pumps, which were closely attended to. Before this she had been a light ship. That night she made more water than usual. It went over the rod, which was two feet, and we could not tell how much. We began to throw over cargo to lighten her. We were heaving cargo over and pumping the ship when the light-ship hove in sight. This was on the 1st July. I consulted with the pilot, and considering the helpless and apparently sinking state of the ship, we determined to make a signal of distress. She bore down upon us; we had no boats; there was still a strong breeze and a heavy sea, but a good deal moderated. The light-ship had two good boats, and she sent one. We did not get all into the boat at the first trip. One of the boats was smashed to pieces by the side of the ship, and she lowered her second boat to save the remainder of the crew. In the boat was a crew of eight lascars and the second officer. He would not allow us to save any of our effects. I went in the first boat with part of the crew, leaving the mate, pilot, and two men behind. I saved the ship's papers. I was very sick at the time. The people left behind asked us to ask the Captain of the light-ship to allow our own crew to return in the boat, as they would have more courage to remain alongside to remove our effects; but they did not dare to remain alongside. The pilot and leadsman saved their boxes. We were all saved. When we got on the light-ship, she was steering about N.W. for the land. The next afternoon we made the land to the eastward of False Point light-house, where we anchored. This was on the 2nd July. We stayed on board up to Saturday, the 6th instant. On that day the *Oriental* steamship came down on her way to Calcutta, and I went on board her to ask for a passage for myself and crew. The *Oriental* took the light-ship in tow, and brought her to her station on Sunday. We cast off the ship there, and we anchored in the Saugor Roads. On the Monday morning we steamed up to Calcutta. The barque was still afloat when I last saw her, but she was lurching very much. Darkness hid her from us. When we left, the carpenter reported five to six feet of water in her hold, but he had no means of judging correctly. We had a rice cargo, and we had no hopes of saving the ship. On the 27th, at Saugor, I believe we had the wind from the east. I was sick below part of the time. The barometer was at 29·50; the appearance of the weather was squally and stormy. There were ships at anchor there, but I can't say how many. I have never been out of her before. I think the pilot did make a remark that it was unusual to have easterly winds in June. There was nothing unusual in the sea. The Captain of a tug steamer came up, and said that there was a heavy swell outside. I think he said "from the southward." I did not notice anything unusual in the appearance of the sky. The ship was well found in gear when I left her as any ship could be. I was told that I should meet with rough weather, and I took particular precautions. We had two bower anchors and a spare one, and two cables with 120 fathoms on each. We had three boats. They were in order. One of the quarter boats was on the skids. That was stove in by the sea, and the other one was carried away in pieces. Before we came out our chains were tested, and our rigging was of wire and was new. The crew behaved very well till they became exhausted. For three days we had no cooking. The pilot and leadsman kept up vigorously and helped us. Every one was sober, even up to the time of leaving the vessel. We were properly treated on board the light-ship, and we were most kindly treated on the *Oriental*. My barque drew 17 feet 8 inches in the river. Two ships and a steamer went out from Saugor with us. One of them was the *Rothesay*; I forget the name of the other. The steamer was the *Orchis*. She put back. I did not anticipate a breeze when we came to Saugor.

Francis LeBoutillier saith,—I was chief officer of the barque *Champion*. She hailed from Jersey. I remember leaving Saugor on the 27th June last, outward bound. Mr. Lindquist was our pilot. The weather showed no bad appearance. The barometer was

low. The wind was from E. to E.S.E. It appeared to me that there would be rain, but I did not think that we should have wind. The *Rothesay* and the *Strathblaine* went out with us. Next day the weather appeared to be improving at day-light; but at 8.A.M. it came on to blow pretty strongly from the same quarter. I can't say what course we were steering till we got out past the Eastern Channel Light-house. After we cast off we steered south till 1 A.M. next morning, and then we put the ship on the starboard tack, the wind having veered to the S.W. We kept on that tack till we came to anchor near the Mutlah light. We anchored there as we could not weather the Mutlah on that tack, and if we had gone on another tack we should have drifted to the sands. We were only carrying the fore-top-mast staysails and the lower topsail. Before we anchored our long-boat and some spars and all things movable about the deck had been washed away. We came to an anchor about 10-30 P.M. on 28th June; and we rode it out till 3 A.M., 29th June, when the starboard cable parted. The spars were cut away about 10 A.M. to enable the ship to hold by her port chain. We cut her back stays adrift, and the main top-mast went over the side carrying the mizen top-mast with it. We held on until just after midnight, and then the port cable parted. The ship was perfectly light then, and remained so till the evening of Sunday the 1st. We had set the mizen staysail to keep the ship to windward. As soon as she parted, and almost immediately that we had done so, the staysail blew to pieces. We went driving under bare poles over the banks to the northward. We kept our lead going. We kept driving along. The wind veered to the eastward, then to the N.E., then to N. and round to N.W., then W. and then to S.W. We were driven back into deep water. When the wind first veered we shipped a heavy sea that carried away the wheel chains and split the rudder in such a manner as to render it useless. One of the men was washed away from the wheel right forward. About 10 P.M. we found that the gudgeons had been torn away from the stern post, and we could see by the motion of the ship that she was making water. All hands were kept at the pumps from that time till we left the ship. The water was gaining on us. When I left the ship the lee rail was under water. About twenty minutes past noon we met the light-ship. We hoisted our ensign with the jack down, and some signal which I forget. The light-ship bore down on us. When she got to windward of us it was considered advisable to abandon our ship. They sent a boat to us. The Captain and all hands went in that boat, except the pilot, leadsman, and the steward. When they got alongside the light-ship the boat got stove in by a heavy sea. They sent another boat for us, and we left the ship about 5 P.M. and went on board the light-ship. The log and everything, except the ship's papers, were lost. We kept sounding the well. When the Captain left the ship there I was think five or six feet of water in the hold. I could not take soundings after the Captain left. I tried to do so, but I was washed over board and back again. The pilot was on the poop at that time. He behaved as well as a man could have behaved, so did the leadsman, who never left the deck after we got into the cyclone. We did not see what became of the barque. Darkness set in soon after we got on the light-ship. I am sure that she could not have remained afloat during the night. The crew behaved very well. Several of them were disabled. Every thing that could be done to save the ship was done. We were kindly treated on board the light-ship. We were brought up to Calcutta in the steamer *Oriental*. All hands went into the Sailors' Home. Some of the men are gone, but some are still in the Home. Everybody on board was sober all through the gale.

Philip Winter Amy saith,—I was 2nd officer on board the *Champion*. I remember anchoring near the light-ship at Mutlah. We had lost all spare spars and the long-boat, and everything movable on the day before by being swept by a sea. Shortly after we anchored the starboard chain parted. We took the fragment of the starboard chain and fastened it on to the port chain and paid it out. We weathered it out all that day. The decks were continually under water. I was so much occupied with my own work about the deck, that I did not notice how the wind was. About midnight the port chain parted. We had cut away the main top-mast, which in going carried away the mizen top-mast. I dare say that eased the ship a little time. As it was blowing so hard after the port cable parted, we endeavored to set the main staysail, and I think the fore-top-mast staysail. The sails blew away into shreds. The lead was kept going. I could not say what soundings were given. We met the Eastern Channel light-ship on the 1st July. We made signals of distress. The rudder had gone on the Sunday. The light-ship sent us a boat, and most of us went off to the light-ship; the boat was not fit to be put into the water again, so she was hoisted up and another boat was lowered. I took charge with some of our crew and returned to the *Champion*. I found even more water in her than when I left her. I should say that there were eight feet of water when I left her; but we could get no proper soundings. I have been fourteen years at sea. I hold a second mate's certificate. I think that every thing was done that could have been done to save the ship. Every one was sober on board the whole time.

Horatio Lindquist saith,—I am a licensed master pilot, and I was in pilotage charge of the *Champion* outward bound. We left the port on 24th June last. We anchored at Saugor on the 27th in tow of the steamer *Columbus*. I produce a copy of my report as to the subsequent fate of the ship; the original report is in the Master-Attendant's office. All that I have written in my report is strictly true to the best of my knowledge and belief. When we left Saugor there was no wind; there was only a little light air from the eastward. The barometer

was low; it had remained for some days at about 29·46. There was no unusual sea at Saugor Roads, but there was in the Eastern Channel. I anticipated a cyclone, and told the Captain so. I discharged the steamer *Columbus* which towed us down on the morning of the 26th, as I would not go out on that day. I only took the ship out in obedience to the Captain's request, and not in accordance with my own discretion on the 27th June, and I think that I was bound to do so in obedience to the Government order (copy of order attached). We tacked on the early morning of the 28th June, because the wind had veered from the E. to S.S.W. I tacked from the port tack to the starboard tack. I was heading S.E. I remained on that tack till I brought the ship to an anchor about 3 A.M. on 29th June. I made a good offing from the time I cast the steamer off, until the wind veered round to S.S.W. I was standing down due south for some time, for about four hours, going eight knots per hour; then the wind backed; the Captain said that he was sick, and he asked me for my assistance. I rendered it to the best of my power. I think that the officers and crew worked well. I think that every thing that could have been done to save the ship was done. We hoisted our ensign, union down, when we saw the light-ship. She replied, and we showed "*Want assistance.*" The light-ship hoisted—"*What assistance do you want*" The Captain of the *Champion* replied—"*I must abandon the vessel,*" and the light-ship sent her boats for us. All our boats had been washed away. The light-ship's boat was manned by lascars; it was then blowing strong and there was a heavy sea.

OPINION.

AFTER carefully considering the evidence, it appears that the barque *Champion*, in pilotage charge of Mr. Licensed Master Pilot H. Lindquist, left Saugor outward bound on the 27th June last, with a low barometer, the wind at E., and a heavy sea running in the Eastern Channel. This, in the opinion of the Committee, was a sufficient warning of an approaching gale, and the Committee consider that it was very imprudent to leave a safe anchorage off Saugor while the weather was unsettled and threatening.

An easterly wind in the month of June with low barometer and heavy sea from S.E. is looked upon as indication of a coming gale.

The Committee are however of opinion that after the vessel went to sea every thing was done that could be accomplished to keep the ship afloat, and had it not been for the Commander of the *Planet* floating light vessel (which vessel hove in sight just in time) the crew of the *Champion* would in all probability have perished. The Commander of the *Planet* floating light vessel on seeing signals of distress flying on board of the barque *Champion*, very promptly, and at considerable risk, lowered his boat, manned by lascars, and in charge of the second officer, succeeded in taking all the crew except the pilot, chief officer, leadsman, and one seaman, to the *Planet*. This boat it appears was stove in alongside of the *Planet* by the heavy sea running at the time, so much so that she was unfit for service. A second boat was lowered and manned by the rescued crew of the *Champion*, returned to the barque, and succeeded in bringing off the remainder of the men. The Captain it appears was sick and went in the first boat.

The pilot in his evidence states that by the orders of the Master-Attendant conveyed to him in form 15 (blank form annexed) and to every pilot taking pilotage charge of an outward bound vessel, he is compelled to move the vessel when desired to do so by the Commander, and that he did inform the Commander of the *Champion* that a gale was brewing.

The Committee are of opinion that a general order should be given to the officers of the pilot service warning them against proceeding to sea from Saugor anchorage when the weather is threatening and every indication of a coming gale is brewing.

CHARLES MILLER,
Magte. of Police, S. Divn., Calcutta.

E. J. BUTLER,
First Asst. Master-Attendant.

Report made to the Master-Attendant by Licensed Master Pilot Lindquist and J. Landron, Master of Barque "Champion."

Dated H. M.'s Floating Light Vessel *Planet*, 2nd July 1872.

I REGRET having to report the abandoning of the barque *Champion* of Jersey, about fifty miles S. E. by S. of False Point Light-house, consequent on injuries received during the cyclone of Sunday, June 30th, 1872, the particulars of which are as follows:—

Thursday, the 27th ultimo, at 8 P.M., cast off steamer *Columbus*, E. C. F. L. vessel, bearing E. S. E. about 3 miles; wind east, made all sail on port tack and stood down south.

Friday, the 28th, 1 A.M., wind veered to S. S. W., tacked ship, wind falling light and squally. 6 A.M., wind freshening, took in top gallant sails and main top mast staysail. 9 A.M.,

wind increasing, took in upper topsails, jib, spanker, and mainsail. Noon, shipped a heavy sea, washing away long boat, all spare spars, and moveable things about the decks, also stove in pinnace on the skids, ship labouring heavily, and completely flooded with water fore and aft. 2 P.M., hauled the foresail up, wind still increasing. 7 P.M., sighted *Mutlah* steam vessel bearing N. E. 8 P.M., blowing a gale from southward, ship headrecking under lower topsails, fore, and mizen staysails. Wind hauling more to eastward and heavy sea, driving ship to northward; midnight, *Mutlah* steam vessel bearing E. by S.; on finding vessel driving so fast to northward, considered it advisable to bring ship to an anchor. Took in sail, and brought ship up in 11 fathoms, *Mutlah* steam vessel bearing S. E. about 3 miles, veered to 75 fathoms on both chains, being unable to give her any more owing to decks being flooded with water, and the chain pipes being well aft and low on the deck.

Saturday, the 29th, 3 A.M., parted starboard chain, blowing a hard gale with heavy sea running and hard squalls. 8 A.M., seeing vessel could not hold on much longer, cut away main top mast, taking the mizen top gallant mast with it. Throughout the remainder of the day heavy squalls, mountanous sea, vessel shipping large quantities of water, washing away bulwarks fore and aft.

Sunday, the 30th, 0·30 A.M., port and last chain parted, carrying the windlass away at the time. Set mizen staysail to keep ship to the wind. Blowing too heavily to make sail to work out. Gale increasing to a cyclone, and wind gradually hauling to eastward. 7 A.M., mizen staysail blew away, sent all hands aloft to pass extra gaskets round the sails. 8 A.M., shipped a very heavy sea over the quarter, carrying away wheel chains, splitting the main piece of the rudder, washing the port quarter boat out of the davits, smashing the skylight, and the hatch of the steerage. Called all hands on the poop, and told them to make themselves fast with life lines. Passed a buoy with two baskets on it, appearing to be painted red and black horizontally. All the head sails, foretopsail, and foresail blew away. Wind gradually hauling all round the compass, ship drifting under bare poles, sea continually breaking clean over her and raining in torrents. Observed the iron band of the tiller round the rudder head split. Got spare tiller aft, and shipped it. 2 P.M., both chain covers washed off the chain pipes, and forehead ventilator leading into the hold ripped from its fastening in the deck; large quantities of water going below. Had great difficulty in getting new covers on. On attempting to pump ship several men got severely hurt from the sea; others washed overboard and back again. The crew's house got completely gutted of chests and bunks. 10 P.M., found rudder had completely gone just below the head, having torn the gudgeons clean out of the stern post. Made a tarpaulin fast in weather-mizen rigging to keep ship to the wind. Midnight, cyclone at its height, and heavy seas continually falling aboard and sweeping her fore and aft.

Monday, July 1st, daylight, weather slightly moderating; observed ship to have a quantity of water in her; stationed all hands to the pumps, and heaving cargo overboard from the afterhold. Water gradually gaining on the pumps, and ship settling down to starboard fast, having the lee rail up to the main hatch entirely under water. Noon, observed a sail to windward, made signal of distress, stranger bore up, which turned out to be the F. L. V. *Planet* adrift from her station. Captain and officers mutually agreed it was advisable to abandon the vessel, and all hands were taken out by the boats of the *Planet* I am happy to state that no lives were lost.

Form No. 15. (Referred to in opinion of committee.)

To

MR.

Pilot.

SIR,

You are hereby ordered to take upon yourself the pilotage charge and direction of the .
Captain
and pilot her out to sea whenever he may require you to do so; but you are not to move the vessel unless, in your opinion, she is properly officered, in default of which you will report to this Office.

2nd.—You are not to quit the vessel after you shall have taken charge until she is clear of pilot's water, when you are to do pilot's duty in your station on board whatever pilot vessel you may be received from the

3rd.—Your attention is called to the 53rd and 54th Articles of the Rules for the guidance of running pilots relative to losing an anchor or the vessel's grounding.

4th.—Your attention is directed to the 72nd Article of the Rules above specified relative to the reception on board of Post Office and Government Despatches.

5th.—In respect to the outward certificates of draft of water, your attention is directed to Article 9th of the Rules before mentioned.

6th.—In the event of your assuming pilotage charge of an inward-bound vessel, with returned emigrant laborers or native passengers from any part of the world, you will inform the Commander that he is not to allow the emigrants to land before permission is granted by the Protector of Emigrants, to whom he will report the vessel's arrival off town.

7th.—Your attention is lastly requested to the 61st Article of the Rules relative to attaching the Captain's manifest to the printed form.

8th.—On any preventive officer stating in writing that he has received instructions to detain any ship or vessel, the pilot in charge is strictly forbidden to move the vessel, but to report the circumstance to the Master-Attendant, and await further orders.

I am,
SIR,
Yours obediently,

MASTER-ATTENDANT'S OFFICE,
The *of* 187 .

Master-Attendant.

The vessel lying off
and will leave by

In re "Rothesay."

Proceedings of a Committee of Inquiry into the cause of the wreck of the vessels "Omaha," "Champion," "Rothesay," *and* "Solway," *holden on the 20th July* 1872, *in pursuance of orders from the Lieutenant-Governor, dated 11th July* 1872.

Members.

CHARLES MILLER, ESQ., *Magte. of Police, S. Divn., Calcutta.*
CAPTAIN E. J. BUTLER, *First Assistant Master-Attendant.*

John Roche saith,—I was an A. B. on board of the ship *Rothesay*. She was a wooden ship. She was over 1,400 tons. She was a British vessel belonging to Glasgow. There were 30 of us all told on board. I had come out here from Liverpool. She was well found in gear and ground tackle. We were outward-bound for Bombay with rice, jute, sugar, grain, and gunny. On Saturday, the 29th, we dropped down the river in tow of a steamer. We arrived off Saugor about 5 P.M. the next evening. We went to sea on Saturday. I cannot say how the wind was then. We were then on the starboard tack. It was blowing pretty fresh. We could not see the pilot brigs. We had a pilot on board, his name was Elson. He had a small native boy with him as a servant. We were unable to land the pilot. We lost one of our topsails on Saturday night. On the Sunday it was blowing a cyclone up to midday. We lost all our sails—the mizen top-mast and top-gallant-mast, and the head of the mizen-mast. The Captain gave orders for the fore-top-gallant back stays to be cut to let the top-gallant-mast agoing. It did not go till night. We cleared away the wreck that was hanging over the ship's side. About midday it cleared a good deal. It was nearly a calm with not much of a sea; but what there was was cross. About 2-30 or 3 P.M. the breeze freshened, and as the Captain called it, a second cyclone came on, and the wind went right round the compass. I think that we were in the centre of the second cyclone. All our bulwarks were carried away. Twenty-seven inches were sounded in her well. We were ordered to the pumps, and were at them all night. There was a donkey engine for the pumps; but as there was so much water it could not be used. The water increased to 30 inches. We kept her at that for some length of time by constantly pumping. At 10 P.M. a house on deck, the donkey engine and the boats were washed away. All the boats went. One of the men a boatswain's mate, who was sick, was sleeping in the house and he was killed. The house fell on the top of him. We kept on pumping until about 2-30 A. M., and then we went below to see if we could see any water there. The house had a ventilator which went down to the lower hold. The upper part of this was washed away; a little water got down that. The after hatch was washed away, and we covered it over with canvass. When it got daylight the Captain came on deck and he called on some of us to make a raft. We made it by about 8 A.M. We found ourselves in four fathoms of water at this time, and the pilot ordered the anchors to be let go. We let go the port anchor but it parted, and we let go the starboard anchor with 60 fathoms of chain. The Captain ordered all hands to launch the raft. Our Captain's name was Robert Mayne. The raft was launched, but in the launching the Captain got his leg broken in two places, and the 2nd mate was washed overboard and he sank. He went by the name of Mr. Bury. The ship was laboring very hard then, and the decks were washing up. We lashed the Captain on the raft. There were 12 of us on the raft, and the pilot jumped from the ship and swam to us. When we got under the ship's quarter another man also swam to us. The Captain asked us and the mate, who was his son, to put him back on the ship, as his leg was broken, and he was going to die. He was put back. The mate

took him back, but did not rejoin us. He remained on the ship. We drifted out to sea. The pilot said that he did not know where we were. We drifted on with the tide in and out. There was a strong current. The wind had abated by this time; it was about 9-30 A.M. on the 1st instant, that we left the ship. We kept her in sight all day. Sometimes the sea used to turn her round, and at about 5 P.M. of the same day she healed over on her broadside. We were about three or four miles from her then. The pilot stood up on the raft to see if he could see her. That was the last we saw of the ship. All Monday night we were on the raft. On Tuesday we lost one man, whose name I don't know. He got out of his senses and said he was going to lie down on the forecastle. He let go the raft and sank. Another man also shortly after got delirious and he sank. Six altogether got so. Some of the men proposed to make a second raft out of the spars that the drowned men had abandoned, and that was done. These men and the pilot went to make it. Each man had one of the booms, and they lashed them together. One named Fraser said to a man named Butler on the second raft "Good bye, I am going home;" he went away and was drowned. Butler said I cannot stand this any longer, I am going to lie down; he went and was drowned. The pilot went in the same way. He was delirious also. We lost the pilot's boy out of our raft. It was in the same way. We were all dizzy and queer, and on some part of the Tuesday night we got on the Chandpore beach. We lay on the beach that night. In the morning we saw a light-house. We got together by about midday. Some natives came and put us into a house in the cutcherry, and gave us rice to eat. We stayed there for two days, and the police came and the Inspector took us to a Baboo's house. He gave us some fowl, and then we walked sixteen miles to Contai and saw the Magistrate there. The Civil Engineer put us into one of the Government houses there. We waited for four days. We were eventually brought up in Government boats. We left our moorings from the Esplanade on Monday, the 24th June. We anchored at Garden Reach, and weighed anchor on the 25th June. We got to Diamond Harbour on that day and anchored there. We got away from there on the 26th instant, about 8 or 9 A.M. We anchored at Mud Point on that day. Next we anchored somewhere else. It was the 28th June when we anchored at Saugor. We left Saugor next day and went straight on. As we were going out a tug vessel was coming in, and she wrote on a board that there was a heavy sea outside. I did not know that the vessel had been bumping in the four fathoms water. The ship's draft was 21 feet aft. There was much sea on. When we got the four fathoms sounding we were ordered to march off from the pumps to launch the raft. The water was in her hold then. I don't know how much. She was aground then. The pilot was engaged in launching the raft. He was exerting himself. He was sober as far as I could see. All hands were sober. On Sunday night I went into the mate's cabin to ask what the barometer was, and I saw that he had a bottle, and that the mate and the pilot and the boatswain were there. I thought that she was a gone ship when we left her. The Captain thought so too; so did the pilot.

John Zemker, saith,—I was an A. B. on board the *Rothesay*. I remember that we got under weigh for the last time on a Friday. We went right out on that night. I can't say how the wind was. The wind was ahead. Whilst we were being towed out we set the fore-top-mast staysail. After we were cast off, we set the topsails and the foresail, and I think we set some kind of mainsail. The main-top-gallant-sail. I don't know how the wind was then. There was a stiff breeze and a good sea on. We had to take the top-gallant-sail in again. We went about when we saw the light-ship. It blew hard that night. Next morning we had to shorten sail. We reefed the top sails. The wind freshened up a little on that day. At 6 to 8 that night we furled the mainsail and the upper top sails and reefed the foresail. It commenced to blow harder after that. At 8 P.M. I went to the wheel. I had a conversation with the man that I had relieved, and the Captain said that he could hold it by himself. I tried it and it threw me over and knocked me in between two stanchions. I hurt my knees and my ribs. I lay there ten minutes, the Captain and the pilot came up I took the wheel. The pilot pulled me out. The Captain said, "we must take in sail as the breeze is coming hard up." The pilot said, "all right." I heard it blowing heavily that night. The vessel shipped seas that night. I was down below from my injuries, and on Sunday morning I was told by a shipmate to come out and save my life. I then saw that the house was washed away; every thing that was movable was washed away. We were at the pumps, but when it was light we were ordered to make a raft. The ship was in a sinking state when I went on deck. I heard that four fathoms soundings were given, but I don't believe it, as she did not bump. The Captain got his leg broken when we were getting the raft on board; and we missed the 2nd mate at the same time. I jumped into the sea and reached the raft; the pilot did the same. There were fifteen of us on the raft. We only saw the ship for about two hours after we left her. When I last saw her she was over on her starboard beam ends. We drifted out to sea in the raft. We lost some men from them. We made two rafts out of the one. The men got light headed and dropped off the rafts; the pilot did so. Each raft lost three persons. We got ashore on the next night. I don't know the name of the place. We got ahead of the second raft. Only one man, named Fraser, was saved upon the second raft. I never felt the vessel bump. All the crew that were not disabled worked as hard as they could. No officer has been saved. Every one was sober as far as I know. We all got a glass of grog before we left the vessel.

Aaron Fraser saith,—I was an A. B. on board the ship *Rothesay*. We left Calcutta on the 25th, in tow of a tug, we got to Diamond Harbour; on the 26th June we got to Saugor, and

on the 27th June we were towed out to the Ridge Light, and the tow boat left us. I was heaving the lead from the time that we left the Inner Light till the tow boat cast off. I think that the wind was about north-east, and we stood away to the south-west, with our three lower topsails, foretopmast staysail, spanker, and foresail. We stood that way for about two hours, and then we went about in order to fetch a light-ship. We ran under the light-ship's stern and the pilot hailed her. The pilot and light-ship's captain had a conversation. After we had cleared the light-ship we steered away to the south-west again; this brought us to midnight, and we could not see any pilot brig. We hove to until day-light; day-light was very thick; a heavy sea was running, and there was a stiff breeze. We hove the deep sea lead and got nine fathoms. The pilot said we ought to be just on the Brigs station. About two hours after the wind hauled round and became fair, and then the Captain and pilot agreed to go to sea. We got all our topsails, a reef foresail, and mainsail out, and stood away down the Bay; that was on the 28th June. We went on all that night; the wind was free. On the morning of Saturday the wind increased, and we reefed the foresail and main upper topsails and stowed the mizen upper topsail. At mid-day we took in the mainsail. In the first day watch we took in the foresail and fore and main upper topsail and we went on pretty easy, until midnight; then we got a squall from the north-west, and it carried away the fore topsail and the fore topmast staysail. About an hour after the main topsail went and then the mizen. Next morning, about 8 o'clock, the Captain told the boatswain to cut away the mizen topmast backstay; he did so, and the mizen topmast went over the side. At 10 A.M. the wind lulled; some men were aloft, gathering in the old canvass, and stowing canvass and clearing up the decks, and the Captain called the carpenter and told him to sound the pumps. The ship had then 37 inches of water in her, and all hands were called to pump ship. We pumped from mid-day till 4 P.M. We got a second cyclone; it blew harder than the first. At 7 P.M. the two boats and the skids were washed away, and three water-tanks that were lashed on deck. At mid-night the deck-house was washed away, and there was a square ventilator in the house. Nothing was placed over the ventilator till next morning, and at every sea several tons of water went down it. We could not get to the ventilator in consequence of the wreck from the house on deck. About 4 A.M. I went down the after-hatch to see if the water was visible. No water could be seen there until day-light. At day-light water was up to her 'tween-decks and she was going down fast. We were still all hands at the pumps. The Captain called four of us from the pumps to lend a hand to make a raft from different booms and yards. We made the raft. The water was gaining, and every time the ship rolled you could see the water within about six feet of the upper deck. When the raft was made the pilot heaved the lead, and we got five fathoms. There was a very heavy sea. We let go the starboard anchor with forty-five fathoms of chain. The chain parted. We let go the port anchor with sixty fathoms, and the ship swung head to the sea. As soon as she swung head to the sea she commenced sinking, and the Captain called all hands to launch the raft. We launched it, and whilst launching it a heavy sea came over and broke the Captain's leg in two places. He asked us to take him up in his stall-room. They took him on the poop and laid him there. Fifteen of us got on the raft, and then we found that the raft would not bear any more, for we were up to our chests then. The mate remained on board the ship and cut the raft adrift. When the Captain broke his leg the second mate was washed away. The mate stood at the stern looking at us. I said to him—"Won't you jump Mr. Mayne;" he said—"I cannot leave my father." The pilot jumped and swam to the raft, and we drifted away for about two miles, when we saw the ship give a heavy roll and heel over on her beam ends. We saw no more of her. We drifted two days and two nights on the raft On Tuesday night we divided the raft and made a smaller one. Myself, the pilot, John Butler, and a man whose name I don't remember, got on the small raft, and about 9 o'clock that night John Butler and the other man went out of their minds and cast themselves adrift, and one tried to drown me. After about two hours the other man swam away from the raft and gave a shout and went down. Shortly after Butler said to me—"Fraser, good-bye, I must go as that other man has gone, for I want to turn in." I shook hands with him, and he let go the raft and went down. I said to the pilot Mr. Elson, "We can make the raft all serene." He said, "Oh Fraser I cannot hold out any longer." I said "You don't mean to give up already;" he said "Yes, Fraser, I cannot help it." I took the piece of line he had round his waist, and I made him fast to the raft, and whilst I was lashing the raft, he cast himself adrift and rolled off the spar and I caught him by the hair and dragged him back, and I was going to make him fast again when he let go his hold and was going down. I caught him by the hair again, and I missed my hold, and he was taking me down with him, so I was forced to let him go. In about two minutes he came up again. I was just stooping over when he came up right behind me and said "Oh my wife" and went down again. About two hours afterwards I found myself on the beach; I lay down there and slept till next morning. Then I found myself down by a place called Balasore. I walked to a house and met eight more of the other raft. We walked to a place called Contai with two native policemen. Then the Magistrate kept us three or four days and gave us a shirt and a pair of trowsers a piece, plenty to eat, and three boats to take us to Calcutta. The canoes brought us to Calcutta. I never felt the vessel bumping, and we must have felt it if she did bump. I am sure that she was not safe enough for any one to have

stopped by her. Every one did his best to save her. Four of her crew hurt themselves on Sunday morning. The carpenter was injured. Every one was sober. When I was on the raft I passed a barque with her mizen-mast standing. Where we landed we found much of the wreck of our vessel on shore.

OPINION.

IT appears from the evidence that the ship *Rothesay* left Saugor on the 27th June 1872 in pilotage charge of Mr. Licensed Master Pilot J. H Elson, with the same indications of an approaching gale as the barque *Champion* had, viz. a low barometer and the wind E.

The Committee is of opinion that it was imprudent to leave a safe anchorage with the above indication of a coming breeze.

Like the *Champion* too this vessel was near if not in the centre of the hurricane, and after losing her spars, boats, and having her decks swept, and washing away the deck-house thereby exposing a ventilator which led to the lower hold, and down which said ventilator large quantities of water went with every sea shipped, and it was with considerable difficulty attended with danger to life that the said ventilator was at last covered over. At this time however the vessel was a complete wreck, and the Committee are of opinion that the Commander, officers, pilot, and crew, did their utmost and all that could possibly have been done under the circumstances was done to save the ship.

The committee are also of opinion that vessels should not leave Saugor for sea in the months of June and July with threatening weather, low barometer, and every indication of an approaching gale at hand.

CHARLES MILLER,
Magte. of Police, S. Divn., Calcutta.

E. J. BUTLER,
First Asst. Master-Attendant.

Nos. 2705-05½. dated Calcutta, the 1st August 1872.

From—C. BERNARD, ESQ., Offg. Secy. to the Govt. of Bengal, General Dept.

To—The Secy. to the Chamber of Commerce and Offg. Master-Attendant.

Proceedings of a Committee of Inquiry into the wrecks of the *Champion* and *Rothesay*, dated 11th July 1872.

I AM directed to forward to you a copy of the papers noted on the margin, regarding certain wrecks which occurred during the recent cyclone at the Sandheads.

2. In the cases of the *Champion* and *Rothesay*, the Committee of Inquiry found that the barometers of both vessels indicated the approach of a storm, and they were of opinion that in the face of this warning it was imprudent to proceed to sea. They recommend that a general order should be given to the officers of the Pilot Service, warning them against proceeding to sea from Saugor anchorage during the months of June or July when the weather is threatening and there is already wind and a low barometer.

3. The Lieutenant-Governor would be glad to be favored with the opinion of the Chamber of Commerce and of the Master-Attendant on this recommendation of the Committee. His Honor himself has doubts as to the expediency of issuing such an order, for we do not know for certain which are the worst cyclone months; while we believe that cyclones may occur in April, May, September, and October, as well as during the months named by the Committee. It would manifestly be inexpedient thus to fetter the discretion of masters of vessels during half the year. At the same time there is very much to be said for the Committee's view; and whatever be the result of their recommendation, it will be an advantage that the attention of masters, owners, and shippers, should be directed to the views of the Committee.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 3rd August 1872.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.						
	Western Districts.	1872.				
BURDWAN DIVISION. 1	Burdwan ...	Aug. 6th*	1·20	Weather cloudy; rain much needed.	Price of grain has risen. Prospects of ous crop, bad; of other crops, decidedly unfavorable.	Public health, bad. Fever and dengue prevalent. Few cases of cholera also.
2	Bancoorah ...	" 3rd	1·49	Cloudy, with a few heavy showers at the sudder station. Much more rain in the north of the district.	The prospects of the rice crop this week, though by no means good, are still less gloomy than they were last week. Some heavy rain has fallen in part of the district, and transplanting is being carried on less successfully. In the higher lands irrigation has become necessary. Rice has fallen in price. Other crops are flourishing.	The general health of the district is good. A few isolated cases of cholera.
3	Beerbhoom ...	" 3rd	6·73	Rain has been very general in the district during the week.	The state of the crops is still backward for the time of year; but the rain this week will be of great use, and the transplanting of paddy is going on rapidly.	
4	Midnapore ...	" 3rd	3·81	Cloudy, with occasional showers.	Rain much wanted. Transplanting of rice crop backward owing to dryness of all but the lowest lands. Many irrigation leases have been taken. Rainfall in interior *much* less than at sudder station.	
5	Hooghly ...	" 3rd	1·68	Cloudy and rainy ...	Transplanting of amun in south of the district still delayed for want of rain.	
	Howrah ...	" 3rd	1·21	It has rained almost daily throughout the district in slight showers.	Sugarcane, jute, sun hemp, and ous paddy, are doing well, but heavier rain is required for the transplanting of the amun dhan. In some parts transplanting and ploughing are going on but slowly.	Dengue fever reappearing.
	Central Districts.					
PRESIDENCY DIVISION. 6	24-Pergunnahs ...	" 6th	2·12	Warm and cloudy, with frequent showers of rain. Mean Temp. ... 83° Direction of the wind generally S and E.	Jute, sugarcane, and ous doing well. The late showers have done some good, but more rain is yet wanted for the transplanting of amun. Prospects rather better than last week.	Dengue has made its appearance all over the district. Some isolated cases of cholera here and there; in other respects the general health is normal.
7	Nuddea ...	" 3rd	2·63	Cloudy, with heavy rain.	The prospects of the rice, particularly the amun, have much improved, and are now fair. Jute has suffered severely from caterpillars. All other crops are good.	
8	Jessore ...	" 3rd	6·10	Rainy ...	Very good.	

Received by telegram.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*)						
	Central Districts.—(*Contd.*)	1872.				
RAJSHAHYE DIVISION. 9	Moorshedabad ..	Aug. 3rd	6·70	Little or no rain throughout the week until Friday, the 2nd instant, when there was a very heavy downpour.	Towards the beginning of the week the prospects of the crops were not so good as they had been, owing to the want of rain; but the late fall of rain has done an immense deal of good, specially to the amun dhan crop, which is being transplanted. The ous dhan and sugarcane crops are promising. The heavy rain has rather injured the mulberry.	Dengue subsiding.
10	Dinagepore ...	" 3rd	8·77	Rain general throughout the district, except in one or two places; the fall reported sufficient.	The heavy rain of past week has been most opportune. The operations for completing planting out of ropa dhan are being pushed on. Other crops doing well.	
11	Maldah ...	" 2nd	2·91	Rainy	The growing crops—bhadoi, bhutta, kherry, &c., are in a satisfactory state, and a full crop is expected. Hymanti is being sown.	
12	Rajshahye ...	" 3rd	4·64	Cloudy and with more or less rain on five days of the week.	The rain that has fallen this week has improved the prospects of the paddy crops slightly, but the ous paddy is not expected to yield a plentiful harvest this year. The amun is still going on well; but for it and for the ous more rain is still required. The rain this week came on at a most unfortunately critical time for the rearers of silk-worms, as many silk-worms, when just ready to spin, have died off in consequence of the change of weather.	
13	Rungpore ...	" 3rd	10·80	Cool; plenty of rain everywhere. At the sub-divisional head-quarters of Bhowaneegunge 16·46 inches of rain fell.	At the sudder station there has been plenty of rain, which has been productive of good to the amun crops. More however is wanted in some parts of the district. Jute and sugarcane are doing well near Bhowaneegunge.	
14	Bograh ...	" 3rd	5·66	Occasional heavy showers of rain; alternate cloud and sunshine, the latter preponderating.	The rain has been general in the district, and has been most beneficial.	Fever prevails, but not in an unusual degree.
15	Pubna ...	" 3rd	3·94	Fine, showery, and favorable.	The rain during the last four days has been most beneficial to the rice crops, which have greatly recovered from the late dearth. Indigo and turmeric doing well.	

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*)						
	Central Districts.—(*Contd.*)	1872.				
COOCH BEHAR DIVISION. 16	Darjeeling ...	Aug. 3rd	7·68	Much warmer and less rain than usual at this season of the year.	In the hills much the same as last week. The burra bhutta suffered from very high wind in some places, but not to any great extent. In the Terai the people complain in places of want of rain, and the low-lying rice cannot be planted out in consequence. Rice is dear in the district.	Cholera is abating. The four native doctors arrived last week, and have had portions of the district allotted to each.
17	Julpigoree ...	„ 3rd	3·02	No heavy rain, but constant showers. Weather cloudy and comparatively cool.	The rain that has fallen this week has been sufficient to prevent the hymanti dhan being damaged, but a great deal more rain is needed to ensure its being a good crop. Rice and other provisions are rising in price owing to short rainfall.	Cholera still hangs about in parts of district.
	Cooch Behar ...	„ 3rd	6·59	Seasonable. Rain on most days of the week.	Fair, but more rain is wanted.	
	Eastern Districts.					
DACCA DIVISION. 18	Dacca ...	.....	.....	.....	.....	Return not received.
19	Furreedpore ...	„ 3rd	7·11	There have been sufficient rains during the week, intervened by slight sunshine now and then	The rains have done much good to both ous and amun crops. The former has, in many parts of the district, attained the state of being reaped. The gradual rise of the river Ganges is expected to prove favorable to the latter.	
20	Backergunge ...	.....	.....	.....	.....	Return not received.
21	Mymensing ...	.....	.....	.....	.....	Ditto.
22	Sylhet ...	July 27th	4·10	Hot ... Max. temperature of week 90·5° Minimum ditto 76·5° Range ... 14° Mean of all the highest readings ... 88·5° Ditto lowest ditto ... 78· Approximate mean of the week ... 83·2	More rain wanted in the district for the amun. Domashi ous nearly all and chengri ous half cut. A little damage done in a few pergunnahs from the overflowing of Khajanchis khal.	
23	Cachar ...	„ 27th	6·56	Rain almost every night; and a good deal in the day time. Not very hot.	The cultivators are all hard at work; the seedlings for the sail crop are getting on very well, but we must have continuous rain. The season is a late one. Tea doing very well.	
CHITTAGONG DIVN. 24	Chittagong ...	„ 27th	4·97	The greater part of the rain fell on the 25th, 26th and 27th. From appearance of the weather I should say the fall has been general over the district.	Crops generally reported to be doing well.	
25	Noakhally ...	„ 27th	5·23	Heavy showers during the week, with strong south and south-easterly winds.	In some parts of the district the ous crop is being harvested, and in others fit for reaping. Amun crop progressing favorably. More rain wanted.	

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*)						
	Eastern Districts.—(*Contd.*)	1872.				
CHITTAGONG DIVS. 26	Tipperah ...	.....	.....	.....	.....	Return not received.
27	Chittagong Hill Tracts	July 27th	1·81	Not much rain for the first four days of the week; heavy rain and squalls on the 26th, 27th. Weather, cool.	The prospects of both the paddy and the cotton are good; both have begun to flower. The Indian corn is being gathered in, ripe.	
	Hill Tipperah ...	„ 27th	2·91	Rainy and cloudy almost throughout the week, especially towards the south-east.	Ploughing and sowing going on. More rain wanted	The health of the district is the same as in last week. Fever still prevails.
BEHAR.						
PATNA DIVISION. 28	Patna ...	Aug. 6th*	2·57	Good rain during the week.	The bhadoi crops good, and the transplanting of dhan going on satisfactorily.	Much fever and dengue in the town; also cholera, but not epidemic.
29	Gya ...	„ 3rd	8·05	Cloudy, misty, thunder, lightning, copious rain.	Bhadoi very promising. Rice fair.	
30	Shahabad ...	„ 3rd	2·96	Cloudy and variable wind. Passing showers during the week. More rain wanted towards the south. Thermometer. Maximum ... 86° Minimum ... 70°. Barometer. Highest reading 29·560 Lowest do. 29·400	The bhadoi and indigo crops are in a promising state. The aghani paddy crop has generally improved since the fall of rain during the week. Transplanting has commenced.	
31	Tirhoot ...	„ 3rd	5·2	Cloudy and rainy. Rain fell moderately in all the sub-divisions.	Indigo manufacture is progressing; its outturn is expected to be fair this year. The second indigo crops are doing well. The recent rains are beneficial to rice and other crops. Bhadoi crops promise well.	
32	Sarun ...	„ 3rd	4·42	East and west winds. Rain general throughout the district.	The bhadoi crops are all thriving well. The manufacture of indigo is going on briskly. The seedlings of "khureef dhan" are being transplanted.	
33	Chumparun ...	„ 3rd	8·6	Rain throughout the week; heavy on the 30th and 31st. Sultry weather between the storms; gentle easterly winds now and then.	The late heavy rain has done much good to the bhadoi as well as other crops. The transplantation of rice seedlings is going on briskly. The indigo yield generally satisfactory.	
BHAUGULPORE DIVISION. 34	Monghyr ...	„ 3rd	4·25	Heavy rain general all over the district for three days. Weather now fair again.	The rain has done great good; the bhadoi promising to be unusually fine, and all crops are improved.	
35	Bhaugulpore ...	„ 6th*	1 75	Heavy rain in Soopore sub-division; moderate at other places.	Transplanting of aghani rice going on rapidly. More rain, however, is urgently wanted. Bhadoi crop is still excellent everywhere, except on the Dearah and in neighbourhood of Ganges, where it is being swamped.	Cholera in a few places in Banka sub-division. Dengue still fast increasing among native population.
36	Purneah ...	„ 3rd	4·49	Seasonable. A fair amount of rain has fallen this week.	The cutting of the bhadoi crops has commenced in the north. The transplanting of the aghani is now well in hand. The rain has done much good everywhere.	

* Received by telegram.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BEHAR.—*(Contd.)*		1872.				
BHAGULPORE DIVISION.—*(Contd.)*						
37	*Sonthal Pergunnahs*—					
	Rajmehal ...	Aug. 3rd	2·51	There has been a succession of showers all over the sub-division, which have done much good, but hardly sufficient in quantity to allow planting out every where.	Indian corn promises well nearly every where. Dhan prospects are slowly improving wherever planting out has been practicable. Indigo said to be doing well.	
	Deoghur ...	„ 3rd	1·13	Favorable and healthy.	Heavy rain has fallen in the Jamtarah sub-division, viz. 7 inches, and generally throughout the entire Deoghur sub-division. Prospects of the paddy crops for the most part good, but more rain is wanted for transplanting. Bhadoi crops satisfactory.	
	Nya Doomka ...	„ 3rd	6·67	Very favorable indeed for all crops. Rain in north-west corner, and again south of the sub-division, has not been so heavy as at head-quarters, but still it is sufficient.	Genera is better than has been known for years; accounts of it from all parts most cheering. Kodoo, goondlee, murwa, and moog, also good. Dhan will also be very good now. Most of the planting out will be finished within the next ten days.	
	Godda ...	„ 3rd	...	Favorable. Rainfall pretty heavy.	Cultivation in progress, and everything prosperous.	
ORISSA.						
ORISSA DIVISION						
38	Cuttack ...	„ 6th	1·80	Weather, sultry; light rain. Weather generally favorable.	Slight damage reported from rain and flood of previous week. Crops progressing satisfactorily. Much of the low land still unsown.	Cholera decreasing.
39	Pooree ...	July 26th	1·54	Favorable	Ryots are still engaged in tillage for their second sowings. As these will be late, every thing will depend on the duration or cessation of the rainy season about October.	
40	Balasore ...	.....	.....	.....	.....	Return not received.
CHOTA NAGPORE.						
	South-West Frontier Agency.					
41	Hazareebaugh ...	Aug. 3rd	4·23	Heavy rain since Sunday all over the district.	Owing to the seasonable fall of rain, there is at present every prospect of a favorable harvest; more rain is still required.	
42	Lohardduggah ...	„ 3rd	3·38	Cool and cloudy, with continual light rain.	The reports of all the high land crops are very favorable; and in Chota Nagpore Proper the prospects of the rice crop are very fair also. In Palamow too the prospects have somewhat improved, as heavy rain fell generally about the beginning of the week, and it is hoped that the transplanting will now be able to go on. The rainfall however is still very short—only some 10½ inches up to date.	

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
CHOTA NAGPORE.—(*Contd.*)						
	South-West Frontier Agency.—(*Contd.*)	1872.				
43	Singbhoom ...	July 27th	4·39	Seasonable. The rain is reported deficient in some parts and excessive in other parts of the district.	On the whole very favorable.	
44	Maunbhoom ...	Aug. 3rd	3·05	Showery, but deficient in most parts of the district.	The crops are suffering in many parts of the district for want of sufficient rain.	
ASSAM AND ADJACENT HILLS.						
45	Goalparah ...	July 27th	0·13	Very hot, though with very slight showers of rain. This weather general in the district.	Reaping of assoo crops continues. Full harvest expected. Jute partially destroyed by a kind of insect. More rain is wanted for transplanting seedlings for winter crops.	
46	Kamroop ...	Aug. 5th	2·91	Rain fell three days during the week.	Shalee dhan is being transplanted and promises well. Prospects of tea, cotton, and sugarcane, good. Ous crop is being reaped, and full outturn expected.	Public health, good.
47	Durrung ...	July 27th	5·05	Variable ..	Plenty of rain has fallen, and there are in consequence good accounts of agricultural operations from all parts of the district.	
48	Nowgong ...	„ 27th	4·20	Hot and sultry. Rain has fallen, but more is wanted, and is evidently coming from the look of the sky.	Crops doing well. Tea doing well.	
49	Seebsaugor ...	„ 27th	1·60	Very hot and close, with occasional scanty showers of rain.	Rain much needed for the planting out of the dhan crop, which is going on. The Deputy Commissioner is afraid that in consequence of the planting out having been much delayed, the crop will not be a full one. It is presumed tea doing fairly.	
50	Luckimpore ...	„ 27th	8·56	Up to Friday weather oppressively hot, rain occurring only at night. Heavy rainfall to-day, which still continues. The weather at North Luckimpore has been similar to that at Debroghur all the week. Thermometer. Max. ... ... 93° Min. ... ... 79°	The rainfall which was wanted has come, and the planting out will now soon be finished, and no apprehension need be entertained.	
51	Naga Hills ...	„ 20th	2·55	Unseasonable almost everywhere, with very little rain indeed. Hot, close, and muggy, in the plains, but generally very cool at Samoo goodting.	Fair generally as regards the jhums, but not at all satisfactory as regards the "pathur" crops, for which much more rain is sadly wanted.	
52	Khasi and Jynteah Hills.	„ 27th	3·5	Weather seasonable—showers and fine.	Favorable. No changes in the prospects of the crops have taken place during the week.	
53	Garo Hills ...	„ 27th	3·47	There has been but little rain during the past week. To-day we have had some heavy showers.	In some places the crops are poor; they want rain. In Dánágirri the Deputy Commissioner noticed the rice crop was scanty, but in other Garo villages visited by him there was good promise.	

Published for general information.

CALCUTTA,
The 5th August 1872.

J. WARE EDGAR,
Offg. Junior Secy. to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

Divisions.	Stations.	Rain from 15th to 21st July 1872.	Rain from 22nd to 28th July 1872.	Rain from 1st January 1872.		Remarks.
				Inches.	Up to date.	
		Inches.	Inches.			
Cuttack.	Cuttack { Telegraph Office ...	0·50	4·50	31·70	28th July 1872.	
	Cuttack { Jail	0·61	4·38	33·58	ditto.	
	False Point	2·10	4·15	57·31	ditto.	
	Jajipore	4·90	3·90	36·22	ditto.	
	Kendraparah	0·60	4·70	35·15	ditto.	
	Jugutsingpore	1·40	3·00	39·50	ditto.	
	Sumbulpore	Not received	Not received	15·51	30th June 1872.	
	Balasore	1·96	0·73	31·75	28th July 1872.	
	Bhudruck	Not received	1.62	35·27	ditto ...	Not received 15th to 21st July.
	Pooree	1·81	0·74	32·53	ditto.	
	Khoordah	Not received	5·69	31·39	ditto ...	Ditto ditto.
Chota Nagpore.	Hazareebaugh { Jail ...	0·91	3·14	12·69	ditto.	
	Hazareebaugh { Dispensary ...	2·44	4·23	14·66	ditto.	
	Burhee	Not received	Not received	3·53	5th May 1872	Not recorded since 5th May.
	Puchumba	0·45	2·24	14·12	28th July 1872.	
	Ranchee	1·60	3·91	25·23	ditto.	
	Palamow	1·44	2·47	10·61	ditto.	
	Purulia	1·93	1·57	25·37	ditto.	
	Gobindpore	0·66	4·15	23·48	ditto.	
	Chyebassa	1·28	3·61	23·20	ditto.	
Patna.	Patna (Bankipore)	2·70	1·04	16·15	ditto.	
	Dinapore { Jail	2·18	0·28	12·23	ditto.	
	Dinapore { Cantonment ...	2·07	1·05	16·52	ditto.	
	Behar	2·69	3·12	17·15	ditto.	
	Barh	2·61	0·30	11·78	ditto.	
	Gya	1·33	3·74	16·77	ditto.	
	Sherghotty	2·49	2·41	17·86	ditto.	
	Nowadah	1·45	1·19	16·48	ditto.	
	Arungabad	2.00	3·18	19·32	ditto.	
	Chumparun	0·98	0·25	25·44	ditto.	
	Bettiah	0·90	1·30	24·25	ditto.	
	Chuprah	0·37	2·31	17·01	ditto.	
	Sewan	2·08	1·39	27·12	ditto.	
	Mozufferpore	3·40	1·20	18·84	ditto ...	Not received 24th June to 7th July.
	Durbhangah	0·38	0·75	14·63	ditto.	
	Seetamaree	Nil	0·20	33·95	ditto.	
	Tajpore	2·00	1·70	22·34	ditto.	
	Mudhubani	0·72	0·43	24·08	ditto.	
	Hajipore	2·48	0·44	15·03	ditto.	
	Arrah	2·05	0·48	19·17	ditto.	
	Buxar	3·85	0,85	16·61	ditto.	
	Sasseram	1·05	2·25	13·26	ditto.	
	Bhubooah	4·20	5·25	21·43	ditto.	
	Benares	1·65	Not received	14·90	21st July 1872.	
Bhaugulpore.	Bhaugulpore	2·03	0·80	15·29	28th July 1872.	
	Mudheypoorah	3·35	0·87	23·02	ditto.	
	Banka	0·65	0·43	18·57	ditto.	
	Soopool	2·75	0·63	24·23	ditto.	
	Monghyr	2·92	2·79	14·42	ditto.	
	Jamooie	1·00	1·53	13·17	ditto ...	Not recorded 23th January to 3rd February.
	Begooserai	3·00	1·61	17·88	ditto.	
	Deoghur	1·44	1·81	14·29	ditto.	
	Jamtara	1·40	4·70	23·12	ditto.	
	Rajmehal	2·20	Not received	12·22	21st July 1872	
	Pakour	0·78	1·64	21·87	28th July 1872.	
	Nya-Doomka	1·47	3·26	23·07	ditto.	
	Purneah	4·54	1·40	32·38	ditto.	
	Kishengunge	1·17	2·30	38·72	ditto.	
	Arrareah	1·04	Not received	27·61	21st July 1872	Not recorded 22nd to 28th Jan.
Rajshahye.	Rampore Beauleah... ...	1·44	1·58	21·07	28th July 1872.	
	Nattore	0·39	1·34	23·52	ditto.	
	Bograh	3·12	0·62	36·85	ditto.	
	Dinagepore	4·47	3·72	34·12	ditto.	
	Maldah	4·94	1·08	28·48	ditto.	
	Berhampore	0·38	0·85	28·11	ditto.	
	Jungipore	1·81	1·71	29·03	ditto.	
	Laulbaugh	0·11	0·52	23·53	ditto.	
	Jamoosahandi	0·94	2·23	18·34	ditto.	
	Pubna	1·10	1·62	26·89	ditto.	
	Serajgunge	0·23	3·17	33·90	ditto.	
	Rungpore	1·79	0·83	37·05	ditto.	
	Bhowanigunge	0·40	4·53	38·19	ditto.	
	Titalya	3·70	3·03	55·26	ditto.	
Burdwan.	Burdwan	1·46	2·90	18·86	ditto.	
	Cutwa	1·29	1·76	26·42	ditto.	
	Culna	0·54	0·89	19·54	ditto ...	Not received 8th to 14th July.
	Bood-Bood	Not received	Not received	14·19	7th July 1872	
	Bancoorah ...	1·75	0·48	16·63	28th July 1872.	
	Raneegunge	2·16	2·04	22·00	ditto.	
	Sooree	0·95	4·04	23·45	ditto.	
	Hooghly	5·27	1·03	25·26	ditto.	
	Serampore	1·65	3·01	27·09	ditto.	
	Jehanabad	1·07	1·27	30·70	ditto.	
	Howrah	0·02	1·83	21·37	ditto.	
	Midnapore	0·86	2·29	22·07	ditto.	
	Contai { Dy. Collr.'s Office...	2·24	1·07	25·10	ditto.	
	Contai { Exe. Engr.'s Office...	1·33	1·60	25·70	ditto.	
	Gurbetta	0·93	0·91	18·18	ditto.	
	Tumlook	0·70	1·18	21·75	ditto.	

Divisions.	Stations.	Rain from 15th to 21st July 1872.	Rain from 22nd to 28th July 1872.	Rain from 1st January 1872.		Remarks.
				Inches.	Up to date.	
		Inches.	Inches.			
Presidency.	Krisnaghur	1·53	0·70	21·42	28th July 1872.	
	Bongong	1·27	1·03	18·57	ditto.	
	Ranaghat	1·52	1·22	27·27	ditto.	
	Meherpore	2·27	1·41	28·96	ditto.	
	Chooadangah	0·70	1·20	21·75	ditto.	
	Kooshtea	3·06	1·42	23·85	ditto.	
	Jessore	2·01	2·22	38·57	ditto.	
	Khooineah	1·38	3·70	31·16	ditto.	
	Jenidah	1·35	Not received	30·91	21st July 1872.	
	Nurail	2·42	ditto	31·01	ditto.	
	Magoorah	0·39	ditto	21·86	ditto.	
	Bagirhaut	0·88	ditto	29·67	ditto.	
	Saugor Island	1·90	1·20	29·02	28th July 1872.	
	Calcutta	1·13	1·82	21·36	ditto.	
	Alipore { Hospital	1·74	2·14	20·69	ditto.	
	Alipore { Jail	1·66	2·74	20·74	ditto.	
	Barrackpore	2·55	2·53	30·17	ditto.	
	Dum-Dum	1·04	3·57	32·00	ditto.	
	Baraset	1·50	1·54	22·73	ditto.	
	Satkherah	2·23	3·53	28·26	ditto.	
	Busseerhaut	3·95	4·28	30·21	ditto.	
	Diamond Harbour	3·55	4·05	28·63	ditto.	
	Barripore	0·77	2·44	20·36	ditto.	
Dacca.	Dacca { Telegraph Office ...	2·65	5·50	42·44	ditto.	
	Dacca { Jail	2·50	5·30	38·50	ditto.	
	Moonshegunge	4·24	6·75	21·23	ditto	From 10th June.
	Manickgunge ...	2·76	3·71	6·47	ditto	From 15th July.
	Burrisaul	4·32	4·33	47·26	ditto.	
	Dowlat Khan	4·80	6·23	46·41	ditto.	
	Perozepore	2·33	6·23	35·97	ditto.	
	Madaripore	2·19	4·75	49·17	ditto	
	Patookhally ...	2·47	11·64	40·12	ditto	From 13th May.
	Furreedpore	0·71	4·66	24·46	ditto.	
	Goalundo	0·32	3·03	31·60	ditto.	
	Mymensing	1·98	3·52	41·34	ditto.	
	Jamalpore	0·90	2·70	37·18	ditto.	
	Attesh	1·04	3·23	27·93	ditto.	
	Kishoregunge	3·17	3·15	48·35	ditto.	
	Sylhet	7·02	5·52	132·02	ditto.	
	Cachar	5·23	Not received	67·77	21st July 1872.	
	Hylakandy	3·76	ditto	68·67	ditto.	
	Koyah	5·33	5·65	78·56	28th July 1872	Not received 10th to 16th June and 8th to 14th July.
Chittagong.	Chittagong { Telegraph Office	4·60	9·10	50·30	ditto.	
	Chittagong { Jail ...	4·25	8·66	48·06	ditto.	
	Cox's Bazar	7·16	Not received	6[illegible]·48	21st July 1872.	
	Runganutee Hill	5·38	ditto	47·89	ditto.	
	Noakhally	3·53	7·14	55·79	28th July 1872.	
	Tipperah	2·70	9·42	44·47	ditto.	
	Brahmanbariah ...	3·41	2·78	33·92	ditto.	
	Akyab	5·80	20·70	104·50	ditto.	
Cooch Behar.	Cooch Behar	1·53	0·95	75·85	ditto.	
	Buxa	7·04	5·73	108·46	ditto.	
	Goalparah	Not received	1·32	38·31	ditto ...	Not received 10th June to 21st July.
	Dhoobree	0·50	3·35	75·19	ditto.	
	Tura (Garo Hills) ...	1·18	3·19	55·69	ditto.	
	Darjeeling { Telegraph Office	Not received	Not received	26·57	15th June 1872.	
	Darjeeling { Hospital ...	3·52	3·84	50·22	28th July 1872	Not received 8th to 14th July.
	Rungbee	Not received	Not received	47·13	30th June 1872.	
	Julpigoree	4·30	1·75	64·92	28th July 1872.	
	Boda	3·35	0·22	13·82	ditto.	
Assam.	Tezpore	0·99	7·75	30·40	ditto.	
	Nowgong	5·30	5·60	89·83	ditto.	
	Mungledye	0·63	Not received	39·46	21st July 1872	Ditto ditto.
	Burpettah	Not received	ditto	66·88	7th July 1872.	
	Gowhatty	3·88	1·72	42·11	28th July 1872.	
	Seebsangor	2·80	Not received	57·57	21st July 1872.	
	Jorehaut	4·25	ditto	44·00	ditto.	
	Golaghat	2·23	1·84	35·12	28th July 1872.	
	Nuzeerah	6·65	Not received	45·51	21st July 1872.	
	Debrooghur	3·95	ditto	54·11	ditto ...	Ditto ditto.
	Suddya	2·09	ditto	40·74	ditto ...	Not received 17th to 23rd June and 1st to 7th July.
	Shillong	3·95	ditto	36·20	ditto.	
	Cherrapoonjee	2·79	19·85	275·69	28th July 1872.	
	Jaowai	1·03	Not received	71·83	21st July 1872.	
	Samoogoodting	Not received	ditto	19·70	14th July 1872.	

W. G. WILLSON,
Offg. Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,
The 3rd August 1872.

Meteorological Telegraphic Report for the period 28th July to 3rd August 1872.

Stations.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	Thermometer. Dry.	Thermometer. Wet.	Humidity Sat =100.	Wind. Direction.	Wind. Velocity.	Rain.	Clouds.	Weather initials.
	July											
Calcutta.	28th	10	29·556	29·574	83·2	80·6	91	S S W	...	...	.....	o
		16	29·500	29·518	84·0	81·0	87	S S W	...	...	.....	o, scuds
	29th	10	29·607	29·625	84·5	82·2	81	S W	...	0·03	S	scuds
		16	29·515	29·533	87·5	82·2	78	S S W	...	...	K	
	30th	10	29·616	29·634	85·5	80·5	79	W	...	0·39	K	
		16	29·495	29·513	88·7	82·0	73	W	...	...	K	
	31st	10	29·585	29·603	85·0	81·0	83	W	...	0·29	S	
	Aug.	16	29·481	29·499	88·0	82·0	73	W S W	...	...	S	
	1st	10	29·589	29·607	82·8	81·5	93	N by E	...	...	.....	o
		16	29·536	29·554	83·5	81·6	93	E by N	...	0·03	.....	o, d
	2nd	10	29·623	29·641	84·7	82·0	87	E by S	...	0·14	.....	o
		16	29·506	29·524	84·0	81·5	89	E by S	...	0·04	.....	o
	3rd	10	29·601	29·619	85·5	81·5	83	S	...	0·19	CK, K, CS	scuds
		16	29·480	29·498	87·0	82·3	81	W S W	...	...	S	
	July											
Saugor Island.	28th	10	29·579	29·585	83	81	91	S W	19·6	...	N	o, d, scuds
		16	29·526	29·532	85	81	83	S W	22·6	...	N	o, u, scuds
	29th	10	29·629	29·635	88	83	80	S W	29·0	0·30	N	b, v, scuds
		16	29·559	29·565	87	81	76	S W	23·7	...	N	o, u
	30th	10	29·639	29·645	86	82	83	W S W	25·6	...	N	b
		16	29·518	29·524	88	83	80	S W	20·3	...	N	o, u
	31st	10	29·603	29·609	88	84	83	W	3·7	0·20	N	v
	Aug.	16	29·485	29·491	87	82	79	S	5·2	...	N	o, u
	1st	10	29·593	29·599	87	83	83	W N W	6·0	...	N	o
		16	29·542	29·548	86	82	83	N W	2·8	...	N	o, u, calm
	2nd	10	29·631	29·637	85	82	87	N	0·7	0·30	N	o, v, calm
		16	29·530	29·536	85	81	83	S S E	2·5	...	N	o, u
	3rd	10	29·612	29·618	88	84	83	S W	1·6	1·30	N	b, v, u, l
		16	29·497	29·503	87	83	83	S S E	4·5	...	N	u
	July											
Chittagong.	28th	10	29·591	29·621	80	78	91	S	4·9	2·40	N	d, u, g
		16	29·555	29·619	77	76	95	S W	12·5	1·20	N	d, u, g
	29th	10	29·638	29·731	81	79	91	S W	9·5	2·10	KS	p, u, g
		16	29·556	29·648	83	80	87	S	14·3	0·20	KS	p, u, g
	30th	10	29·594	29·687	78	72	73	W	8·4	0·70	KS	d, p, g
		16	29·499	29·592	79	78	95	W S W	9·9	0·30	N	d, u, g
	31st	10	29·557	29·651	77	77	100	S	6·4	0·80	N	r, g
	Aug.	16	29·449	29·542	82	80	91	S	9·5	0·10	KS	b, v
	1st	10	29·574	29·667	78	77	95	E S E	7·6	1·60	N	d, u, g
		16	29·499	29·592	82	80	91	S E	8·3	...	KS	p, u, g
	2nd	10	29·586	29·679	79	78	95	E S E	5·1	5·30	KS	p, u, g
		16	29·469	29·562	81	79	91	S S W	8·1	...	KS	b
	3rd	10	29·563	29·655	86	82	83	E S E	4·1	...	K, CK	b
		16	29·472	29·564	84	80	83	S	11·6	...	KS, K	b
	July											
Madras.	28th	10	29·801	29·831	86	76	61	N E	7	...	.....	cloudy
		16	29·719	29·749	89	79	62	S E by E	9	...	.....	c
	29th	10	29·796	29·826	92	78	51	W N W	7	...	.....	c
		16	29·700	29·730	89	80	66	E S E	10	...	.....	c
	30th	10	29·806	29·836	88	78	67	W by N	13	0·60	.....	fine
		16	29·655	29·685	92	79	54	E by N	7	...	.....	bc
	31st	10	29·804	29·834	80	75	78	S S W	12	0·49	.....	cloudy
	Aug.	16	29·629	29·659	93	78	48	N W	5	...	.....	c
	1st	10	29·771	29·801	87	76	58	W	14	...	.....	c
		16	29·638	29·668	90	79	59	E by N	6	...	.....	c
	2nd	10	29·760	29·790	82	75	70	W by S	6	0·15	.....	cloudy
		16	29·645	29·675	90	79	59	W by S	6	...	.....	c
	3rd	10	29·752	29·782	88	77	58	S S E	10	0·01	.....	c
		16	29·614	29·644	89	79	62	W by S	6	...	.....	c
	July											
Cuttack.	28th	10	29·562	29·645	79	77	90	S W	6·2	0·60	N	o, d
		16	29·513	29·596	78	75	86	W S W	6·5	0·80	N	o, d
	29th	10	29·642	29·724	87	78	65	W S W	4·2	...	CK	fair
		16	29·525	29·608	82	78	82	S S W	8·4	...	N	g
	30th	10	29·619	29·701	86	79	72	S	4·5	...	C	fine
		16	29·562	29·584	89	81	66	S W	8·4	...	N, S	cloudy
	31st	10	29·569	29·651	86	79	72	S W	1·9	0·20	KS	fine
	Aug.	16	29·432	29·514	89	81	69	S S E	5·6	0·30	.....	cloudy
	1st	10	29·569	29·651	86	81	79	S W	2·5	0·30	.....	fair
		16	29·497	29·579	85	81	83	W S W	3·6	0·70	N	o, u
	2nd	10	29·579	29·661	86	81	79	W	2·3	...	N, KS	cloudy
		16	29·452	29·534	89	81	69	S W	5·6	...	.....	cloudy
	3rd	10	29·556	29·638	87	82	79	W	2·5	...	K	cloudy
		16	29·545	29·627	87	82	79	W S W	6·0	...	.....	fine
	July											
Akyab.	28th	10	29·735	29·756	84	81	87	S	4·1	...	.....	o, r
		16	29·685	29·706	83	80	87	S S W	3·6	2·50	.....	o, g
	29th	10	29·739	29·760	86	82	83	S	2·0	...	.....	b
		16	29·665	29·686	84	81	87	S	3·5	0·30	.....	b
	30th	10	29·709	29·730	86	82	83	S W	0·5	...	.....	b
		16	29·590	29·611	84	81	87	S W	1·3	0·10	.....	g
	31st	10	29·613	29·664	86	82	83	S E	0·2	...	.....	b
	Aug.	16	29·534	29·555	83	80	87	S W	1·8	...	.....	g
	1st	10	29·683	29·705	80	79	95	E	0·3	...	.....	r
		16	29·803	29·824	84	82	91	W	0·5	3·20	.....	g
	2nd	10	29·675	29·696	83	81	91	E	0·1	...	.....	g
		16	29·585	29·606	84	81	87	S	0·1	0·90	.....	b
	3rd	10	29·655	29·676	84	81	87	S	0·4	...	.....	b
		16	29·516	29·567	83	80	87	S S W	2·6	0·60	.....	b

* Velocity of wind in miles per hour.

CALCUTTA,
The 3rd August 1872.

W. G. WILLSON,
Offg. Meteorological Reporter to the Government of Bengal.

Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,

DURING THE MONTH OF MAY 1872.

N.B.—The Barometric data are reduced for temperatures, and not for height above sea-level.

STATIONS.	Height above sea-level.	BAROMETER. Mean.	Mean of 4 hours.	Mean of 10 hours.	Mean of 16 hours.	Mean of 22 hours.	Range.	THERMOMETER. Solar Radiation. Mean.	Max. Day.	Max. ⊖	Min. Day.	Min. ⊖	Mean of max.	Mean daily range.	Mean of min.	Mean.	Mean of 4 hours.	Mean of 10 hours.	Mean of 16 hours.	Mean of 22 hours.	Highest Max. Day.	Highest Max. ⊖	Monthly range.	Lowest Min. Day.	Lowest Min. ⊖	HUMIDITY. Mean.	Mean of 4 hours.	Mean of 10 hours.	Mean of 16 hours.	Mean of 22 hours.	RAINFALL. In inches.	No. of days.
	Feet.																															
Port Blair ...	100	..	...	...	...	...	...	137·5	2nd	155·0	25th	97·0	87·3	9·2	78·1	...	...	85·9	85·3	...	12-14th	90·0	17·0	25th	73·0	...	...	77	76	...	11·12	20
Madras ...	27	29·702	...	29·756	29·639	...	·107	...	..	..	...	...	...	...	...	87·5	...	92·3	89·0	...	...	...	...	...	...	...	...	53	69	...	5·51	3
Vizagapatam ...	31	29·666	29·642	29·720	29·613	29·687	·107	114·0	11-12th	125·0	28th	108·0	91·7	4·3	87·4	89·5	87·9	96·5	89·9	88·5	11th	105·0	21·0	22nd	81·0	69	71	66	67	71	1·50	6
Akyab ...	21	29·733	29·728	29·778	29·675	29·750	·103	146·4	28-29th	158·0	2nd	111·0	87·9	11·9	76·0	83·2	78·9	85·9	85·8	82·3	26th	91·8	23·2	3rd	68·6	84	91	78	81	87	15·77	19
False Point ...	18·7	29·671	29·665	29·714	29·613	29·682	·101	...	...	...	...	...	...	...	...	87·4	85·7	88·4	88·5	86·9	...	...	...	...	...	89	92	85	87	92	2·71	2
Cuttack ...	80	29·599	29·611	29·648	29·523	29·615	·125	163·7	25th	165·0	1-5th	159·0	112·6	33·8	78·8	90·3	83·1	95·4	92·1	85·7	29th	118·0	45·5	23-24th	72·5	64	82	58	43	74	2·08	3
Saugor Island ...	6	29·671	29·552	29·721	29·613	29·697	·108	143·2	13th	155·0	18th	133·2	91·6	10·5	81·1	86·8	83·7	89·8	89·7	83·9	3rd	94·7	21·5	21st	73·2	78	85	72	72	84	2·43	6
Chittagong ...	90	29·649	29·631	29·699	29·602	29·664	·097	147·9	30th	155·0	9th	129·7	90·6	14·8	75·8	82·3	77·3	86·7	85·3	80·0	24th	93·8	25·0	9th	68·8	83	92	74	78	89	5·05	11
Calcutta ...	18·11	29·653	29·638	29·709	29·590	29·679	·119	142·6	3rd	149·5	10th	122·2	95·7	16·0	79·7	87·0	81·2	89·5	93·9	83·5	27th	101·3	26·5	10th	74·8	74	88	71	58	81	1·99	6
Jessore ...	20	29·656	29·643	29·706	29·591	29·684	·115	146·2	4th	152·2	17th	134·0	94·2	18·1	76·1	84·1	78·3	88·3	89·7	80·1	29th	99·9	30·1	8th	68·9	78	90	73	66	83	6·57	15
Barea ...	35	29·664	29·654	29·723	29·607	29·673	·116	147·6	22-24th	157·0	10th	76·4	89·5	13·6	75·9	82·9	77·9	85·5	87·6	80·5	28th	96·4	25·8	1st	67·6	84	95	78	73	89	7·94	13
Cachar ...	88·91	29·618	29·633	29·716	29·585	29·657	·131	137·1	12th	154·0	17th	92·0	87·8	15·0	72·8	79·4	74·1	86·4	85·1	78·1	27th	95·0	28·0	9th	67·0	84	93	82	72	88	15·89	20
Hazareebaugh ...	2,014	27·748	27·742	27·784	27·707	27·758	·077	163·3	24th	177·0	21st	155·0	100·5	25·9	74·6	87·5	78·3	91·5	93·1	84·3	7th	107·0	42·0	11th	65·0	36	50	31	23	41	0·62	3
Berhampore ...	64	29·589	29·585	29·652	29·512	29·605	·140	152·3	27th	161·5	5th	141·0	100·1	22·9	77·2	87·1	79·3	91·0	95·1	85·8	30th	107·5	36·5	29th	71·0	71	89	64	54	75	2·45	9
Gya ...	336	29·254	29·247	29·319	29·182	29·277	·128	151·7	31st	158·0	11th	142·0	105·7	25·7	80·0	93·3	82·8	97·2	103·7	89·6	31st	112·2	41·2	21st	71·0	35	50	31	21	39	0·15	1
Patna ...	179	29·449	29·423	29·514	29·380	29·478	·134	155·8	30th	163·0	11th	141·0	101·5	24·9	76·6	89·5	79·7	92·1	99·7	86·4	27th	111·2	43·1	17th	68·1	55	72	50	36	61	1·16	3
Monghyr ...	160·4	29·484	29·481	29·542	29·416	29·497	·126	...	...	...	...	...	98·7	21·4	77·3	88·3	79·5	90·4	97·5	85·9	27th	107·0	34·0	11th	68·0	57	75	52	38	61	0·53	2
Darjeeling ...	6,945	23·319	23·306	23·359	23·299	23·330	·040	129·6	26th	144·0	13th	108·0	68·3	14·8	53·5	59·9	55·1	63·0	64·0	57·5	28th	75·0	25·6	17th	49·4	82	89	79	72	86	5·55	17
Goalpurah ...	386	29·309	29·303	29·366	29·244	29·321	·122	144·6	3rd	158·2	7th	93·0	85·9	16·7	69·2	78·9	72·2	79·7	83·0	77·0	30th	94·3	29·3	17th	64·0	80	91	78	70	82	12·11	17
Shillong ...	4,792	25·115	25·106	25·152	25·073	25·137	·079	141·3	2-4th	159·0	4th	100·0	75·2	14·0	61·2	67·4	62·8	71·0	70·9	65·1	29th	80·0	21·5	11th	58·5	78	80	74	77	82	7·01	14
Benares ...	262·74	29·382	29·379	29·434	29·336	29·379	·098	155·7	31st	160·0	9th	150·0	105·0	28·0	77·0	92·0	79·5	97·6	103·9	86·8	6th	111·0	44·0	2nd	67·0	40	60	30	24	47	0·30	2
Roorkee ...	879·7	28·757	28·747	28·816	28·709	28·755	·107	152·9	5th	167·0	16th	126·0	102·6	30·1	72·5	87·6	74·8	92·4	99·7	83·7	7th	112·1	48·4	2nd	62·7	38	57	31	21	45	0·93	2

CALCUTTA—May 1872.

Mean Barometric pressures of 16 years ...	29·655	Mean temperature of 16 years ...	86·0	Mean humidity of 16 years	73	Mean rainfall of 16 years	5·78
Ditto ditto of 1872	29·651	Ditto ditto of 1872	87·0	Ditto ditto of 1872	74	Actual fall in 1872	1·99
Defect in 1872	·001	Excess in 1872	1·0	Excess in 1872	1	Defect in 1872	3·79

CALCUTTA,
The 3rd August 1872.

W. G. WILLSON,
Offg. Meteorological Reporter to the Govt. of Bengal.

Mean Pressures and Temperatures of the preceding Table reduced to Sea-Level, with Anemometric results and observations of sky serenity.

Stations.	Mean barometric pressure reduced to sea-level.	Mean temperature reduced to sea-level.	Wind. North.	North-East.	East.	South-East.	South.	South-West.	West.	North-West.	Calm.	Percentage and Resultant.	Mean velocity daily.	Mean serenity.
													Miles.	
Port Blair ...	29·	.....	...	2	...	5	5	49	...	1	...	82 S 36· W	...	8·35
Madras ...	29·729	87·6	2	...	1	22	10	15	10	2	....	53 S 9 W	280·4	...
Vizagapatam ...	29·697	89·6	1	3	8	17	30	21	40	4	...	50 S 34 W	128·3	6·30
Akyab ...	29·755	83·2	7	5	12	22	30	12	22	13	..	28 S 14 W	...	4·40
False Point ...	29·690	87·4	...	1	...	8	15	89	8	...	3	85 S 37 W	...	...
Cuttack ...	29·680	90·6	...	7	8	15	53	36	3	2	...	67 S 4 W	160·2	7·95
Saugor Island ...	29·679	86·8	1	3	3	4	65	46	2	...	...	81 S 15 W	356·4	3·66
Chittagong ...	29·742	82·7	3	8	4	12	15	34	8	1	29	31 S 6 W	151·9	5·75
Calcutta ...	29·672	87·0	...	...	10	11	77	16	6	3	21	76 S 1 W	202·6	...
Jessore ...	29 677	84·1	...	2	8	40	35	14	4	...	21	61 S 18 E	223·6	5·88
Dacca ...	29 700	82·9	1	5	19	37	46	8	3	...	1	69 S 28 E	134·4	4·36
Cachar ...	29·739	79·6	6	17	27	12	10	5	21	5	21	16 S 88 E	...	6·26
Hazareebaugh ...	29 699	93·2	20	4	8	9	15	11	11	46	..	35 N 52 W	173·8	7·60
Berhampore ...	29·654	87·3	2	8	42	27	17	15	5	1	7	51 S 52 E	115·8	4·62
Gya ...	29·588	94·3	17	7	36	5	5	2	7	20	24	27 N 40 E	83·4	9·08
Patna ...	29·630	90·0	11	24	22	5	...	2	5	10	45	34 N 44 E	175·1	7·19
Monghyr ...	29·645	88·8	13	26	44	2	...	10	7	11	11	42 N 53 E	84·6	6·95
Darjeeling ...	29·767	70·7	5	2	13	12	14	8	50	19	1	38 S 79 W	...	3·47
Gowalparah ...	29·701	79·1	2	14	68	15	14	7	4	...	...	66 S 77 E	195·3	2·97
Shillong ...	29·677	81·0	2	...	1	1	30	17	20	22	31	42 S 61 W	101 3	3·62
Benares ...	29·645	92·7	10	2	8	22	18	3	29	29	11	18 S 63 W	97·8	8·21
Roorkee ...	29·626	90·1	...	10	1	27	...	...	...	22	64	10 N 73 E	63·3	8·31

NOTE.

Barometrics Pressure.—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page by adding the weight of a column of air of the corresponding temperatures given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's tables as given in Guyot's "Meteorological and Physical Tables." The temperatures at the sea-level are taken from column 3 of the above table.

Temperature.—The temperatures in column 3 are reduced from those in column 17 on the preceding page by adding 1° Fahr. for every 350 feet.

Wind, Resultant.—The resultant wind direction and the comparative predominance are calculated from the whole number of wind observations recorded during the month. The latter is given as a percentage of the whole number of observations. The mean direction is computed in the usual way by Lambert's formula.

Serenity.—This column gives the average proportion of unclouded sky, a cloudless sky being indicated by 10 and one completely overcast by 0.

The above being all comparable, afford the data for constructing a meteorological chart for the month, which shall show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length, proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

CALCUTTA,
The 3rd August 1872.

W. G. WILLSON,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 22nd to 31st July 1872.

Month.	Date.	Mean reduced barometer.	Thermometer. Highest reading.	Thermometer. Lowest reading.	Thermometer. Max. solar radiation.	Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	Wind. Prevailing direction.	Wind. Max. pressure.	Wind. Daily velocity.	Rain.	Moon's phases.	General Remarks.
		Inches.	°	°	°	°	°	°			lb.	Miles	In.		
July ...	22nd	29·514	90·0	79·5	139·0	82·7	80·2	78·4	0·87	S S E & S	...	66·2	0·10	...	Cirri and cirrostrati, cumuli and overcast. Thunder at 4 and 5 P.M. Lightning on W. at 8 P.M. Slight rain at 1, 3½ & 5 P.M.
	23rd	·481	88·3	79·4	139·4	82·9	80·6	79·0	·88	S by E & E	...	52·0	0·01	...	Cirrocumuli, cumuloni, and cumuli. Thunder between 2½ & 3½ P.M. Light rain at 8, 9 A.M., 2½ & 4 P.M.
	24th	·515	86·5	79·7	134·0	82·4	80·1	78·5	·89	E & S S E	0·6	120·4	0·25	...	Chiefly stratoni. Slight rain between 11 & 12 A.M., at 2, 6½, & 7½ P.M.
	25th	·573	81·8	78·8	132·8	81·0	79·7	78·8	·93	S S E & S	..	116·5	0·63	...	Chiefly overcast. Thunder between 12 & 1 P.M. Slight rain from 6 to 9. 11½ A.M. to 2¼ & at 4½ P.M.
	26th	·560	88·3	80·0	136·0	82·9	80·6	79·0	·88	S, S W & S S W	1·0	116·6	0·46	...	Chiefly cumuli. Rain at 3 A.M., and between 4 & 5 P.M.
	27th	·519	88·0	79·5	134·0	83·0	80·7	79·1	·88	S S W & S W	0·8	123·3	0·01	...	Overcast and cumuli. Light rain at 2 & 5 P.M.
	28th	·521	81·0	81·0	...	82·4	80·5	79·2	·90	S S W & S W	...	97·0	0·03	...	Chiefly overcast. Drizzled at 1½, and from 11 A.M. to 11 P.M.
	29th	·566	88·2	79·5	135·4	82·8	79·9	77·9	·86	S W & S S W	...	173·4	0·39	...	Overcast and cumuloni. Slight rain from 4½ to 8 P.M.
	30th	·559	89·0	80·5	138·0	84·0	80·7	78·1	·84	S W & W S W	1·8	126·3	0·27	...	Cumuloni and overcast. Thunder from 7 to 9 P.M. Lightning at 8 & 9 P.M. Slight rain at 11½ A.M., and from 7 to 11 P.M.
	31st	·529	88·7	79·5	131·0	83·9	80·8	78·6	·85	W & S	...	105·3	0·2	...	Overcast and stratoni Lightning between 7 & 8 P.M. Drizzled from midnight to 3 and at 5½ A.M.

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants. The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity. The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches above the level of the ground. The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past ten days	...	11·2°
The max. temperature during the past ten days	...	90·0
The max. temperature during the corresponding period of the past year	...	90·5
The mean humidity during the past ten days	...	0·88
The mean humidity during the corresponding period of the past year	...	0·87
		Inches.
The total fall of rain from 22nd to 31st ... by lower rain gauge	...	2·53
The total fall of rain from 22nd to 31st ... by anemometer gauge	...	2·28
Ditto ditto ditto average of eighteen previous years	...	4·86
Ditto ditto between the 1st January and the 31st July	...	22·07
Ditto ditto ditto ditto, average of eighteen previous years	...	38·63

GOPEENAUTH SEN,
In charge of the Observatory.

The 2nd August 1872.

Public Works Department,—Bengal.

GENERAL ESTABLISHMENT.—No. 282.—*The 5th August* 1872.

Statement showing heights over mean sea level and low water on Rivers Ganges and Bhagirutty during the month of July 1872.

Days.	Miles.	River Ganges.														River Bhagirutty.			
		Benares.		Buxar.		Dinapore.		Monghyr.		Sahibgunge.		Rampore Beauleah.		Goalundo.		Berhampore.		Kishnaghur.	
				90.		177.	87.	287.	110.	381.	94.	471.	90.	591.	120.			70.	
	Distance.			From Benares.		From Benares.	From Buxar.	From Benares.	From Dinapore.	From Benares.	From Monghyr.	From Benares.	From Sahibgunge.	From Benares.	From Rampore Beauleah.			From Berhampore.	
		Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.
1st ...	...	7·0	203·50	8·4	174·32	11·6	151·50	9·4	111·18	10·50	78·50	9·9	51·75	17·83	26·77	12-10½	45·28	3-10⅓	12·67
2nd ...	...	9·0	205·50	8·10	174·82	11·7	151·58	11·1	112·93	10·84	78·84	10·0	52·00	17·75	26·69	13·1	45·48	4-8½	13·49
3rd ...	...	12·6	209·00	10·1	177·07	11·10	151·84	11·10	113·08	12·00	80·00	10-3½	52·29	17·50	26·44	13·4	45·73	4-10	13·62
4th ...	...	14·2	210·66	13·10	179·84	12·8	152·66	12·4	114·18	12·66	80·66	11·0	53·00	17·16	26·10	13·11	46·32	4-10½	13·67
5th ...	...	14·11	211·42	15·10	180·84	13·3	153·25	13·7	115·43	13·33	81·33	11·9	53·75	17·0	25·94	14·10	47·24	5-2½	13·99
6th ...	...	15·2	211·66	16·4	182·33	13·9	15[illegible]·75	13·10	115·60	14·16	82·16	12·3	54·25	17·25	26·19	15·9	48·15	5-6½	14·33
7th ...	...	0	0	16·7	182·58	14·10	154·84	14·4	116·18	14·75	82·75	13·½	55·04	17·50	26·44	16·3	48·65	6-4½	15·16
8th ...	...	18·0	214·50	16·10	182·84	15-5½	155·44	15·3	117·10	15·45	83·45	13·9	55·75	17·83	26·77	16·9	49·15	7-3	16·04
9th ...	...	21·3	217·75	16·9	183·07	17·6	157·50	16·1	117·93	16·08	84·08	14·3	56·25	18·33	27·27	17·4	49·73	8·0	16·79
10th ...	...	22·0	218·50	22·2	188·66	18·11	158·92	17·9	119·60	17·25	85·25	14·9	56·75	18·58	27·52	18-1½	50·16	9-0½	17·83
11th ...	...	23·0	219·50	23·0	189·00	19-7½	159·62	19·5	121·25	18·50	86·50	15·8	57·66	18·92	27·86	19·0	51·40	10·1	18·87
12th ...	...	20·0	216·50	22·10	188·82	19·6	159·50	19·11	121·77	19·50	87·50	16·9	58·75	19·25	28·19	19·10	52·23	11·2	19·95
13th ...	...	21·0	217·50	22·4	188·00	18·9	158·75	20·0	121·85	20·00	88·00	17·9	59·75	19·33	28·27	20·6	52·90	12·2	20·95
14th ...	...	0	0	21·7	187·57	17·10	157·84	19·3	121·10	19·84	87·84	18·9	60·75	19·25	28·19	20-11½	53·36	13-3½	22·10
15th ...	...	18·6	215·00	20·8	186·62	17·1	157·07	18·5	120·27	19·42	87·42	18·3	60·25	19·25	28·19	21·0	53·40	14-1½	22·91
16th ...	...	17·0	213·50	19·4	185·32	16·7	156·58	17·7	119·4	18·91	86·91	18-3½	60·29	19·50	28·44	20·11	53·32	14·9	23·54
17th ...	...	15·8	212.16	18·5	184·40	15·11	155·92	17·0	118·85	18·24	86·24	17·11	59·92	18·92	27·86	20·8	53·06	15·1	23·87
18th ...	...	14·11	211·42	17·6	183.18	15·8	155·66	16·4	118·18	17·83	85·23	17·7	59·58	18·75	27·69	20-5½	52·86	15·1	23·87
19th ...	...	14·3	210·75	16·10	182·82	15-2½	155·20	15-11½	117·81	17·25	85·25	17·1	59·08	18·66	27·60	20·1	52·48	14-11½	23·69
20th ...	...	13·7	210·09	16·2	182·15	15·3	155·25	15·6	117·35	16·84	84·84	16·8	58·66	18·50	27·44	19-8½	52·10	14·7	23·37
21st ...	...	0	0	15·8	181·65	15·3	155·25	15-5½	117·31	16·58	84·58	16·7	58·58	18·50	27·44	19·5	51·82	14·3	23·04
22nd ...	...	12·10	209·34	15·3	181·23	15·4	155·33	15·6	117·35	16·50	84·50	16·1	58·08	18·25	27·19	19-2½	51·60	14·0	22·79
23rd ...	...	13·0	209·50	14·10	180·82	15-3½	155.29	15·6	117·35	16·42	84·42	15·11	57·92	18·00	26·94	19-0¼	51·42	13-6¾	22·35
24th ...	...	14·2	210·66	15·3	181·25	14·11	154·92	15·5	117·26	16·42	84·42	15·8	57·66	18·00	26·94	18·10	51·24	13-2¾	22·05
25th ...	...	15·4	211·83	16·2	182·16	14·11	154·92	15·3	117·10	16·25	84·25	15·8	57·66	18·00	26·94	18-9½	51·19	13·1	21·87
26th ...	...	16·4	212·83	17·0	182·98	15·2	155·17	15·1	116·93	16·16	84·16	15·7	57·58	17·70	26·64	18-8½	51·10	12·11	21·71
27th ...	...	16·6	213·00	17·7	183·57	15·6	155·50	15·3	117·10	16·08	84·08	15·6	57·50	17·50	26·44	18-7½	51·02	12·8	21·45
28th ...	...	0	0	18·3	184·24	15·10	155·84	15·7	117·43	16·25	84·25	15·7	57·58	17·25	26·19	18·7	50·98	12-6½	21·33
29th ...	...	25·6	222·00	22·9	188·74	18·2	158·17	16·2	118·11	16·58	84·58	15-5½	57·46	17·16	26·10	18·7	50·98	12-6½	21·33
30th ...	...	28·0	224·50	26·11	192·90	20-11	160·92	18·5	120·26	17·25	85·25	15·9	57·75	17·16	26·10	18-10½	51·27	12-6½	21·33
31st ...	...	29·0	225·50	28·2	194·16	22·9	162·75	21·5	123·26	19·50	87·50	16·6½	58·54	17·16	26·10	19-7½	52·02	12-10¾	21·67

H. LEONARD, C.E.
Offg. Secy. to the Govt. of Bengal, P. W. D.

Weekly Return of Traffic Receipts on Indian Railways.

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 27th July 1872, on 28 miles open.

	Coaching Traffic.			Merchandise and Mineral Traffic.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week	3,870½	686 3 3	68 12 5	12,761 0	407 6 0	40 14 9	109 7 2
Or per mile of railway	138	24 8 1	2 9 0	456 0	14 8 9	1 9 1	3 18 1
For previous three weeks of half-year	12,013¼	2,028 8 0	202 17 0	40,443 20	1,219 2 6	121 18 3	324 15 3
Total for four weeks	15,884	2,714 11 3	271 9 5	53,204 20	1,626 8 0	162 13 0	434 2 5
COMPARISON.							
Total for corresponding week of previous year	4,180	655 2 9	65 10 4	9,048 0	286 10 6	28 13 3	94 3 7
Per mile of railway corresponding week of previous year	149	23 6 5	2 6 7	323 4	10 3 10	1 0 6	3 7 1
Total to corresponding date of previous year	14,393½	2,236 15 0	223 13 11	26,166 10	815 11 6	84 11 5	308 5 4

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 27th July 1872, on 1,280 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	87,354	1,08,065 14 1	9,966 0 9	471,677 30	2,28,140 4 6	20,912 17 0	30,818 17 11
Or per mile of railway ...	.....	84 6 10	7 11 10		178 3 9	16 6 9	24 1 7
For previous three weeks of half-year	289,577	325,908 0 8	29,874 18 1	1,392,609 30	6,88,149 14 3	63,080 8 2	92,955 6 3
Total for four weeks ...	376,931	4,33,973 14 9	39,780 18 10	1,864,287 20	9,16,290 2 9	83,993 5 4	123,774 4 2
COMPARISON.							
Total for corresponding week of previous year...	92,069	1,06,746 7 2	9,785 1 10	360,213 20	2,30,679 5 7	21,145 12 1	30,930 13 11
Per mile of railway corresponding week of previous year ...	.....	83 6 10	7 13 0	.....	180 4 8	16 10 6	24 3 6
Total to corresponding date of previous year	377,569	4,51,136 4 7	44,354 3 3	1,699,783 0	10,87,179 5 10	99,658 2 2	141,012 5 5

EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 27th July 1872, on 223½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week	4,016	8,456 6 5	775 3 5	28,337 30	7,380 7 6	676 10 10	1,451 14 3
Or per mile of railway	.....	37 13 5	3 9 4	.....	33 4 0	3 0 7	6 9 11
For previous three weeks of half-year	13,382	33,205 8 7	3,043 16 10	98,561 30	25,878 4 0	2,372 3 6	5,416 0 4
Total for four weeks ...	17,398	41,661 15 0	3,819 0 3	126,899 20	33,258 12 3	3,048 14 4	6,867 14 7
COMPARISON.							
Total for corresponding week of previous year	3,362	8,475 12 3	776 18 10	24,314 0	6,764 8 5	620 1 8	1,397 0 6
Per mile of railway corresponding week of previous year	.....	38 0 2	3 9 8	.....	30 5 4	2 15 8	6 5 4
Total to corresponding date of previous year	15,345	39,282 4 7	3,600 17 6	121,357 30	32,133 13 2	2,945 12 0	6,546 9 6

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 27th July 1872, on 156½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	28,620	18,020 7 3	1,651 17 6	117,640 0	32,654 10 3	2,994 5 1	4,646 2 7
Or per mile of railway	183	115 2 4	10 11 1	752 0	208 11 6	19 2 8	29 13 9
For previous three weeks of half-year.	80,516	44,865 8 0	4,112 13 4	365,137 0	1,01,921 1 6	9,342 15 3	13,455 8 7
Total for four weeks ...	109,136	62,885 15 8	5,764 10 10	482,777 0	1,34,585 11 9	12,337 0 4	18,101 11 2
COMPARISON.							
Total for corresponding week of previous year	25,725	14,815 11 8	1,358 2 2	158,170 36	55,476 9 8	5,085 7 1	6,443 9 3
Per mile of railway corresponding week of previous year ...	164	94 10 8	8 13 7	1,011 0	354 7 9	32 9 10	41 3 5
Total to corresponding date of previous year	105,084½	60,896 13 0	5,582 4 1	480,895 14	1,48,893 8 7	13,648 11 7	19,230 15 8

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[REGISTERED No. 50.]

No. 35 of 1872

SUPPLEMENT TO
The Calcutta Gazette.

WEDNESDAY, AUGUST 14, 1872.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT, *separately, on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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Municipal Taxation in Calcutta.

No. 24C, dated Fort William, the 30th May 1872.

Endorsed by the Government of India, Home Department, Calcutta.

FORWARDED to the Government of Bengal for report. Return of the original petition is requested.

Dated Calcutta, the 5th May 1872.

From—B. MARSHALLA AND OTHERS, residents of the town of Calcutta.

To—HIS EXCELLENCY THE RIGHT HON'BLE LORD NORTHBROOK, Viceroy and Governor-General of India, and also Legislative Council.

WE most respectfully and severally beg leave to state before the Governor-General and the Legislative Council a very *particular case* which deserves the notice of the Government. Since the Viceroy are come with a supreme power over us from Her Majesty, trusting and hope the Governor-General will reign and administer justice to us poor subjects, that you give us some succour in the way of living in consideration on the following subject.

We respectfully beg to acquaint the time when the Company's Government monopolized as a charter party in India; during the time of Lord Clive, he organized a system in India and was then carried on in a different scale. During their time we were then living with feelings of contentment in their reign. We all were in a body praising them for their welfare that they may continue in the same position. Since it has been taken away from their control and has fallen into the hands of Her Majesty's Government, we supposed that we should be better off. The act has been changed in a different light. Now we

are at a loss and subjected by the present rules and the organization; it is a pity the grievances we now complain our sad distresses before the Government and the Council. We trust and hope that the Government and the Council will make some sort of alterations with regard to our embarassment; we are at present suffering and lingering; trust you will relieve us from our present condition. We respectfully beg that we cannot submit to the present orders that have enforced on us poor subject. Gentlemen are taxing us both right and left, and not allowing us to gain an honest livelihood for to support ourselves and family to carry on any sort of business or trade, that are charging us so much licenses and taxes, such as trade license, income taxes profit, water taxes, gas-light, house-rate, police taxes, wheel taxes, horse taxes, refuse taxes, and different others. One person to pay so many sorts of taxes and licenses! Such extremes is unbearable. The market has become so difficult at the present moment; poor people are all dying for food and suffering from wants only on account of the said license and taxes. Charge us according to our means and circumstances. The small mite has been taken away from us; there is no body to hear our case or cries for mercy; we cannot do any sort of business for our families' support through the dread of such imposition. Our families are starving. How we poor British subjects can maintain ourselves, and how in a proper possession we are at a loss and suffering, cursing day and night for our grievances before our Heavenly Father who protects us, and to love one another. You being our present rulers, make some alterations for our views. "Naked we came out of our mother's womb and naked we shall return." Neither the money nor the richness will follow us in the grave, but the honest and poor, those that God approves (before God there is no difference), the crippled as well as old and the young, rich and poor, high and low, are all equally subjected to Him as He is our ruler and principal king and judge, before whom we are crying our grievances.

Further we beg leave to state the new rules and orders are promulgated not to have aged men, that is to say not above than 30 years old, to hold any employment under Government office; there are some elderly people who are capable to work better than any youngsters; the poor unfortunate aged Christians are subject to for their misfortunes.

In conclusion we respectfully beg to the Viceroy and the Members of the Council to consider and please gravely look into the subject and pass such orders that we poor British subjects can live in a state of happiness and can be free from all this trouble.

No. 3668, dated Calcutta, the 15th June 1872.

From—C. BERNARD, Esq., Offg. Secy. to the Govt. of Bengal, Judl. Dept.

To—The Secretary to the Government of India, Home Department.

I AM directed to submit a brief report upon the enclosed petition, which was forwarded under cover of your letter No. 24C, dated 30th May 1872.

2. The petition appears to be pseudonymous, and it is therefore difficult to make any specific local inquiry into its allegations. Its writers date from Calcutta, and their complaints appear to be—

(1) That the municipal taxation in Calcutta is too heavy to be borne.

(2) That there are so many municipal taxes of so many kinds that the poor do not know which way to turn.

(3) That the municipal taxation presses with extreme severity on the poor.

(4) That people beyond a certain age are not taken into Government service.

3. On these four complaints I am to submit as follows:—

Complaint I.—It is quite undeniable that the municipal taxation of Calcutta is high. At page 29 of Mr. Hogg's last municipal report* will be found details of the municipal income for Calcutta for the year 1871. Items 1-10, 12, 13, and 15, in the list of sources of income, may be taken to be the proceeds of taxation or quasi-taxation; their aggregate is about 25½ lakhs. This total on a population of 447,601 souls comes as nearly as possible to Rs. 5¾ per head of

* Copy submitted herewith for facility of reference.

the population per annum. This rate is undoubtedly high; it is more than four times as high as the incidence of municipal taxation in the suburbs of Calcutta, where the rate is barely Rs. $1\frac{1}{4}$ a head; it is more than three times as high as the taxation of Howrah, where the rate is about Rs. $1\frac{3}{4}$ a head; it is six or eight times as high as the municipal taxation of Bengal towns, such as Dacca, Patna, and Moorshedabad. The municipal taxation of Calcutta stands, in comparison with the taxation of the sister presidency town of Bombay, thus:—

Calcutta	...	...	...	Rs. $5\frac{3}{4}$ per head.
*Bombay	...	...	...	„ $4\frac{1}{2}$ „

4. The municipal taxation of Calcutta is thus high for an Indian* city; but then it must be remembered that the Calcutta Justices are (or soon will be) paying annually nearly $8\frac{1}{2}$ lakhs of rupees a year as interest and sinking fund on their loans, which have been, or are being expended on a very complete water-supply and on drainage; these outlays are being borne by the present generation. The townspeople of Calcutta, thus get a good deal for their money, and also they are bearing their own burdens, and are not unduly laying burdens on future generations.

* NOTE.—The Calcutta rate is of course small compared with the incidence of local taxation in the great cities of the west. Thus Mr. Palgrave (page 86 of his Essay on Local Taxation) says that in 1866 the local taxation of New York State came to about $10\frac{1}{4}$ dollars (say Rs. 21) per head of the population. Page 65 of the same Essay makes the local taxation of the English metropolis fall at the rate of about £1-12 (say Rs. 16) on the population. At page 46 it is stated that the whole local taxation of England and Wales in 1868 (excluding money borrowed) amounted to £1-0-3 (or say Rs. 10) per head of the population. But looking to the value of money, the rate in Calcutta is perhaps heavier.

5. As to *complaint II*, it must be admitted that there are a good many different taxes and rates; there is—

The house-rate.
„ lighting-rate.
„ police-rate.
„ water-rate.
„ license on trades and professions.
„ license for carriages and horses.
„ fee for registration of carts.
„ fees and payments for latrines and latrine service.

The first four rates are on land and house property; they fall at fixed percentages on the assessed annual value of the house and landed property of Calcutta. Last year the Chairman (Mr. Hogg) proposed to the Justices to amalgamate these four rates into one single rate. He did not go so far as the Hon'ble President of the English Poor Law Board did in 1871 when he proposed to amalgamate the local rates; but the local opinion of Calcutta was very strong against Mr. Hogg's proposal, which was withdrawn. The total taxation on the rental of house property stands at present† (1872-73) as follows;—

† NOTE.—The police-rate and the water-rate have each of them been recently reduced by one-half per cent.

House-rate	...	...	...	9 per cent.
Lighting ditto	...	...	...	2 „
Police ditto	...	...	...	2 „
Water ditto	...	...	...	$4\frac{1}{2}$ „
		Total	...	$17\frac{1}{2}$ „

Of these taxes $10\frac{1}{8}$ per cent. is paid by the owner and $7\frac{3}{8}$ per cent. by the occupier. The trade and carriage and cart taxes seem a not unreasonable mode of imposing indirect taxation on the population, in proportion to the means each man may have to expend in carriages and in purchasing articles of all kinds. These taxes do perhaps raise a little the price of food and of all commodities; but if people live in large towns, they must be content to pay somewhat higher for necessaries of life than in the country; and on the other hand, they have the advantage of higher wages and a better market for their labour. It would be an advantage to the poor if fees on latrines and fees for the removal of trade refuse could be taken off or lightened;

* NOTE.—This reckons the population of Bombay as 640,000, and the income from taxation at $28\frac{3}{4}$ lakhs.

and in the General Municipal Bill now before the Bengal Council it is provided that no fee shall be imposed for the use of public latrines; but in the present state of the Justices' finances and of the Calcutta Municipal Law, the Lieutenant-Governor would be very reluctant to attempt interference with the Justices in matters of this kind. Whatever the Calcutta taxation may be, and whatever may be the funded debt of the Justices, it is undeniable that Calcutta has a great deal to show for its expenditure; that the mortality in Calcutta is now (see statement 4 of the Health Officer's report) barely half what it was six years ago; and that provision has been made and is maintained for paying off municipal loans within a reasonable time.

6. As to *complaint III*, the Lieutenant-Governor is glad to be able to say that Calcutta municipal taxation, so far as he has been able to judge, does not press upon the poor more heavily than it does upon the rich. Some of the taxes enumerated in the petition under notice are paid by the rich and well-to-do only, and do not fall upon the poor at all. The house-rates, moreover, though they may bear a varying proportion to the means or income of different tax-payers, yet they do bear a tolerably equable proportion to a man's expenditure and mode of life. The poor man does not pay house-rate out of proportion to what his rich neighbour pays. An octroi tax, such as would yield a sufficient income and yet not be a transit duty, would, it may be apprehended, add more to the poor man's burdens than the presen thouse-rates do.

7. As to *complaint IV*, I am merely to submit that the practice complained of is observed under a rule of the Government of India, that *ordinarily* persons should not be admitted to the uncovenanted service of Government who may be past twenty-five years of age. This rule can be departed from in special cases, and subject to certain restrictions as regards claim to pension. The Lieutenant-Governor would not recommend any re-consideration of this rule, for he believes that ordinarily it is best for Government to draw into its service young men who are entering on life rather than to employ men who have tried and failed in other careers.

8. The petition is herewith returned.

No. 91, dated Simla, the 29th July 1872.

From—A. O. Hume, Esq., C.B., Secretary to the Government of India, Department of Agriculture, Revenue, and Commerce.

To—The Officiating Secretary to the Government of Bengal, Judicial Department.

I am directed to acknowledge the receipt of your letter No. 3668, dated the 15th ultimo, communicating the views of His Honor the Lieutenant-Governor on certain allegations made in a pseudonymous petition regarding the pressure of municipal taxation in Calcutta and the non-admittance of people beyond a certain age into the Government service.

2. In reply I am directed to say that the Governor-General in Council has read the letter with great interest, and thinks that it might with great advantage be published for general information.

Prices Current of Food-grains and Salt in the undermentioned districts of the Lower Provinces of Bengal for the month ending the 31st July 1872.

Division.	No.	Districts.	Wheat. Present month ending 31st July 1872.	Wheat. Past month ending 30th June 1872.	Wheat. Corresponding month of 1871.	Barley. Present month ending 31st July 1872.	Barley. Past month ending 30th June 1872.	Barley. Corresponding month of 1871.	Rice, best sort. Present month ending 31st July 1872.	Rice, best sort. Past month ending 30th June 1872.	Rice, best sort. Corresponding month of 1871.	Rice, common. Present month ending 31st July 1872.	Rice, common. Past month ending 30th June 1872.	Rice, common. Corresponding month of 1871.	Bajra. Present month ending 31st July 1872.	Bajra. Past month ending 30th June 1872.	Bajra. Corresponding month of 1871.	Jowar. Present month ending 31st July 1872.	Jowar. Past month ending 30th June 1872.	Jowar. Corresponding month of 1871.	Gram. Present month ending 31st July 1872.	Gram. Past month ending 30th June 1872.	Gram. Corresponding month of 1871.	Salt. Present month ending 31st July 1872.	Salt. Past month ending 30th June 1872.	Salt. Corresponding month of 1871.	Remarks.
			QUANTITIES PER RUPEE BY THE SEER OF 80 TOLAHS.																								
			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	
		BENGAL.																									
		Western Districts.																									
Burdwan	1	Burdwan	15 0	16 0	20 0	21 0	21 0	30 8	22 12	22 8	22 0	23 4	23 8	24 4	...	...	...	...	...	40 0	22 0	22 4	21 12	8 14	8 14	9 4	
	2	Beneoorah	14 12	16 7	20 0	20 0	20 0	...	13 0	18 13	22 8	14 12	20 9	25 0	24 0	26 6	...	24 8	28 0	30 8	16 8	17 9	22 12	8 12	8 13	8 2	
	3	Beerbhoom	17 0	17 0	24 0	...	23 0	...	16 0	18 0	24 0	19 8	21 0	28 8	...	...	...	...	...	...	22 8	24 12	21 0	8 4	8 8	8 8	
	4	Midnapore	12 8	13 4	16 0	12 0	12 0	15 0	18 8	18 8	20 0	22 0	22 0	25 0	...	...	...	...	...	...	18 0	18 12	16 0	7 8	8 6	9 0	
	5	Hooghly	15 0	14 5	20 8	...	...	...	13 0	13 8	14 0	20 0	19 4	22 8	...	...	...	...	...	...	21 4	18 5	24 8	8 8	8 8	9 0	
		Howrah	16 0	18 0	15 0	26 0	22 0	30 0	17 0	16 0	13 0	20 0	20 0	19 0	...	...	...	...	...	...	20 0	22 0	20 0	9 0	9 0	9 0	
		Central Districts.																									
Presidency	6	24-Pergunnahs	13 3	8 7	20 0	20 0	16 0	26 6	8 3	8 0	8 0	20 0	20 0	20 0	...	...	...	...	...	...	20 0	17 7	22 7	8 7	8 7	8 7	
	7	Nuddea	16 13½	17 12	24 10	32 0	32 0	35 0	16 13½	16 13½	17 12	19 6	18 14	19 6	...	...	...	...	...	...	26 10	26 10	29 2	8 10	8 14	8 8	
	8	Jessore	16 0	20 0	20 0	...	...	...	18 4	17 12	18 12	25 8	23 4	24 8	...	...	...	...	...	...	21 4	20 0	20 0	8 0	8 0	8 0	
Rajshahye	9	Moorshedabad	16 0	20 0	19 0	...	...	...	17 0	18 0	23 0	18 0	21 0	24 0	...	...	...	...	...	...	28 0	34 0	30 0	8 8	8 8	8 8	
	10	Dinagepore	14 0	13 5	19 0	21 0	20 5	21 3	23 0	23 0	28 0	28 0	28 0	33 0	...	...	...	...	...	...	20 0	19 0	26 0	6 5	7 0	8 0	
	11	Maldah	18 0	20 0	22 0	40 0	40 0	40 0	19 0	20 0	24 0	20 0	21 0	26 0	...	...	...	...	...	...	18 0	18 0	22 0	8 0	8 0	8 0	
	12	Rajshahye	16 8	17 4	22 8	...	...	...	12 0	12 0	15 0	21 0	22 8	26 4	...	...	...	...	...	...	30 0	30 0	...	7 15½	8 0	...	
	13	Rungpore	16 5	17 5	21 0	...	...	...	14 0	15 6	17 5	21 6	25 8	24 13	...	...	...	...	...	...	15 0	16 1	14 12	7 8	7 9	7 8	
	14	Bograh	18 0	19 5	16 0	...	...	...	21 0	18 0	21 0	30 0	36 0	32 0	...	...	...	...	...	...	29 5	22 5	18 0	8 0	8 0	8 0	
	15	Pubna	24 0	23 0	26 4	...	...	...	15 0	15 0	12 0	28 2	28 12	22 0	...	...	...	...	...	...	32 0	31 0	26 4	8 4	8 4	8 4	
Cooch-Behar	16	Darjeeling	7 0	7 0	8 0	10 0	10 0	10 0	8 0	7 0	8 0	10 0	10 0	15 0	...	...	...	...	...	...	8 0	8 0	8 0	4 8	4 8	4 12	
	17	Julpigoree	10 0	10 0	12 0	14 0	...	...	8 0	8 0	20 0	15 0	14 0	22 0	...	...	...	...	...	20 0	20 0	10 9	...	5 5	6 0	6 0	
		Cooch-Behar*																									
		Eastern Districts.																									
Dacca	18	Dacca	16 0	16 14	18 0	26 10	40 0	27 6	21 0	21 0	25 0	30 0	28 0	28 0	...	...	...	...	...	...	22 14	16 14	20 0	8 14	8 13	8 0	
	19	Furreedpore	26 0	25 0	26 0	...	...	...	10 0	10 0	15 0	26 0	25 0	26 0	...	...	...	...	...	...	25 0	25 0	...	7 12	8 0	8 8	
	20	Backergunge	...	...	...	...	...	...	18 0	19 0	17 0	26 0	25 0	20 0	...	...	...	...	...	...	...	...	...	8 0	8 0	8 0	
	21	Mymensing	16 0	13 0	15 0	...	...	...	23 0	22 0	22 0	32 0	32 0	26 0	...	...	...	...	...	...	18 0	13 4	17 0	8 8	8 4	8 8	
	22	Sylhet	0 9	9 0	13 0	...	...	...	22 0	23 0	17 0	33 8	34 0	21 0	...	...	...	...	...	...	16 0	16 0	16 0	9 8	9 8	10 0	
	23	Cachar	9 6	9 6	16 0	...	...	...	26 10	24 10	17 12	32 0	32 0	26 10	...	...	...	...	...	...	14 8	16 0	12 4	8 0	8 0	8 0	
Chittagong	24	Chittagong	14 0	15 0	13 0	...	...	...	15 0	15 0	13 0	23 8	23 0	20 0	...	...	...	...	...	...	13 0	14 8	13 0	7 0	7 0	7 4	
	25	Noakhally	...	...	...	...	...	...	18 0	18 0	18 0	27 0	26 0	22 0	...	...	...	...	...	...	14 0	14 0	12 0	8 0	8 0	7 0	
	26	Tipperah	13 0	13 0	15 0	...	...	...	20 0	20 0	20 0	32 8	32 8	28 0	...	...	...	...	...	...	16 0	18 0	13 0	9 0	9 0	8 12	
	27	Chittagong Hill Tracts	...	...	...	...	...	...	12 4	12 6	13 3	14 5	16 0	16 0	...	...	...	...	...	...	...	...	...	6 4	6 6	6 9	
		Hill Tipperah	11 4	11 4	...	...	...	...	22 5	24 6	...	40 0	40 0	...	...	...	...	...	...	...	11 2	11 2	...	8 0	8 0	...	
		BEHAR.																									
Patna	28	Patna	17 8	21 0	25 0	29 0	31 0	30 0	...	...	...	19 0	20 0	23 0	...	...	...	30 0	32 0	33 0	27 0	30 0	26 0	8 0	8 0	8 0	
	29	Gya	17 0	18 0	25 0	31 0	33 0	35 0	12 0	11 8	12 8	18 0	18 0	22 1	...	...	...	...	...	...	22 0	24 0	21 8	7 8	7 4	6 12	
	30	Shahabad	16 0	18 0	26 0	26 0	28 0	34 0	11 0	11 0	12 0	17 0	18 0	25 0	...	...	...	...	...	...	25 0	28 0	29 0	8 0	8 0	8 4	
	31	Tirhoot	16 0	18 0	20 0	25 0	27 0	29 0	13 0	14 0	14 0	15 0	15 0	20 0	...	...	...	...	...	...	22 0	23 0	19 0	7 4	7 8	7 8	
	32	Sarun	16 0	18 0	24 0	24 0	29 0	31 0	13 0	16 0	16 0	18 0	19 0	33 0	...	...	...	...	...	35 0	24 0	24 0	16 0	8 0	8 0	8 0	
	33	Chumparun	19 0	20 0	27 0	28 0	32 0	35 0	10 0	10 0	10 0	17 0	20 3	23 0	...	...	...	...	...	...	24 0	22 0	21 0	7 0	7 0	7 0	
Bhaugulpore	34	Monghyr	19 9	17 8	21 0	31 5	31 5	30 5	13 6	13 6	14 7	18 3	16 8	28 3	...	...	...	21 0	21 0	23 1	25 4	28 4	28 4	7 8	7 8	7 3	
	35	Bhaugulpore	17 11	18 15	25 4	30 4	32 13	44 3	15 12	17 0	21 3	19 9	21 7	25 4	...	...	...	...	...	...	24 8	27 12	25 4	7 14	7 9	8 3	
	36	Purneah	16 0	18 6	21 0	30 0	43 8	48 0	18 0	18 6	26 0	22 0	24 2	31 0	...	...	...	...	...	...	20 0	23 3	23 0	7 0	6 9	7 5	
		Sonthal Pergunnahs.																									
	37	Rajmehal	18 0	20 0	...	...	41 12	...	14 0	17 0	...	17 0	20 0	...	...	22 8	...	...	32 8	...	26 0	26 0	...	8 0	8 4	...	
		Deoghur	16 0	19 0	23 0	...	...	...	14 0	14 0	8 0	19 0	20 0	27 0	...	...	...	37 0	30 0	45 0	23 0	24 0	...	8 0	8 0	8 0	
		Nya Doomka	15 0	16 0	21 0	...	...	...	18 0	20 0	23 0	22 0	24 0	28 0	35 0	40 0	40 0	33 0	35 0	40 0	21 0	22 0	22 0	8 0	8 0	8 0	
		Godda	15 0	20 0	18 0	...	...	...	15 0	...	24 0	17 8	20 0	22 0	...	...	...	...	...	...	17 8	20 0	...	6 0	6 0	6 0	
		ORISSA.																									
Orissa	38	Cuttack	15 12	15 12	12 12	...	...	...	14 6	20 14	17 14	17 5	25 9	27 0	...	...	...	...	...	...	20 10	27 11	28 15	7 14	9 0	9 0	
	39	Pooree	14 7	16 0	10 8	...	...	...	17 1	19 0	28 14	23 10	28 0	31 8	...	...	...	...	...	...	18 6	24 0	23 10	6 10	8 14	8 9	
	40	Balasore	14 0	12 0	16 0	...	8 0	...	0 16	15 0	16 0	24 0	27 0	32 0	...	...	...	...	...	...	12 0	12 0	14 0	9 0	9 0	8 0	
		CHOTA NAGPORE.																									
		South-West Frontier Agency.																									
Chota Nagpore	41	Hazareebagh	16 12	19 4	22 2	23 4	24 4	...	12 0	12 8	14 8	18 4	20 14	24 4	27 8	29 0	32 0	25 0	28 8	32 4	6 4	20 0	19 8	6 10	6 14	7 2	
	42	Lohardugga	14 0	14 0	20 15	24 0	28 0	...	20 0	20 0	20 0	24 0	23 0	26 15	...	...	...	16 0	29 0	28 15	14 0	14 0	...	5 10	5 10	6 5	
	43	Singbhoom	25 0	25 0	26 0	32 0	40 0	37 0	37 0	37 0	37 0	40 0	40 0	40 0	...	...	...	...	...	...	22 0	21 0	26 0	6 0	6 8	6 0	
	44	Maunbhoom	16 0	15 0	16 0	24 0	24 0	24 0	16 0	17 0	21 0	20 0	24 0	32 0	...	...	...	...	...	...	16 0	14 0	16 0	7 4	7 4	7 8	
		ASSAM AND ADJACENT HILLS.																									
Assam	45	Gowalparah	24 0	20 0	31 0	...	...	...	16 0	13 0	14 0	20 0	20 0	16 0	...	...	...	...	...	...	20 0	18 0	...	8 0	7 8	8 8	
	46	Kamroop	20 0	20 0	20 0	6 0	3 0	8 0	10 0	8 0	10 0	20 0	20 0	20 0	...	...	...	...	...	...	13 0	12 0	9 0	8 0	8 0	8 0	
	47	Durrung	9 0	10 0	9 0	...	...	...	13 0	13 0	6 0	16 0	16 0	16 0	...	...	...	...	...	...	11 0	9 0	11 0	6 8	6 8	8 8	
	48	Nowgong	...	...	...	...	...	...	13 0	13 0	13 0	18 0	18 0	20 0	...	...	...	...	...	...	...	...	...	7 0	7 0	7 0	
	49	Seebsangor	13 0	13 0	13 0	16 0	16 0	16 0	8 0	13 0	16 0	16 0	18 0	20 0	...	...	...	...	...	...	8 0	8 0	8 0	6 0	6 0	6 0	
	50	Lukhimpore	10 0	10 0	10 0	8 0	8 0	8 0	8 0	8 0	8 0	14 0	16 0	16 0	...	...	...	...	...	...	10 0	10 0	10 0	6 0	6 0	6 0	
	51	Naga Hills*																									
	52	Khasi and Jyntesh Hills	...	...	...		...	...	11 0	10 0	...	13 8	14 0	...	...	...	...	...	...	...	7 0	7 0	...	4 8	4 8	...	
	53	Garo Hills*																									

* Return not received.

Published for general information.

J. Ware Edgar,

Offg. Junior Secretary to the Govt. of Bengal.

Calcutta,
the 13th August 1872.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 10th August 1872.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.						
	Western Districts.	1872.				
BURDWAN DIVISION. 1	Burdwan ...	Aug. 13th*	1·93	Rain still needed, though weather showery.	Prospects of crops no better. Price of grain still rising.	Public health as bad as ever. Fever and dengue increasing.
2	Bancoorah ...	„ 10th	1·55	Generally cloudy, with some heavy showers at the sudder station and in the west.	The rain that fell during the week has been beneficial to a certain extent, but the rice crop is still very backward; and even under the favorable circumstances, the outturn must be much under the average. Other crops are doing well.	
3	Beerbhoom ...	„ 10th	0·99	Generally showery, but no great quantity of rain anywhere. It is still badly wanted in the west.	Considerable progress has been made within the last two weeks in planting out the rice low lands. As regards prospects, much depends on the rainfall during the rest of this month.	
4	Midnapore ...	„ 10th	·89	Occasional showers, but very little heavy rain.	Not good. Only from half to three-quarters amun crop expected if the present rainfall continues. South of the district in the best, north in the worst state.	
5	Hooghly ...	„ 10th	·69	Fair and rainy ...	For want of rain the transplanting of the amun is very slowly progressing. On the whole, the prospects of the crops are not favorable; the crops in high lands are drying up	
	Howrah ...	„ 10th	1·42	Slight showers throughout the week in all parts of the district.	Ous dhan, sugarcane, jute, &c., are in fair condition. There has not yet been sufficient rain for the transplanting of the amun dhan. The rivers are unusually low, and irrigation is rendered difficult in consequence. The seedlings of amun dhan are beginning to look yellow.	
	Central Districts.					
PRESIDENCY DIVISION. 6	24-Pergunnahs ...	„ 3rd	2·01	Cloudy, with showers of rain. Mean temp. ... 84° Direction of wind S.	The ous, jute, and sugarcane doing well. The transplanting of the amun not yet finished on account of insufficient rains. Prospects much the same as last week.	The dengue fever has appeared all over the district, and in some places has assumed a severe form, specially in Satkhera. Intermittent fever also prevalent there and at Busseerhaut. In other places health normal.
7	Nuddea ...	„ 10th	0·71	Hot, with sunshine and showers.	The rice has improved still further; its prospects are fair. All other crops as before. Spring indigo has turned out poor; but the October plant has proved unprecedently good.	
8	Jessore ...	„ 10th	2·11	Seasonable rain in most parts of the district.	Good everywhere except in Magoorah, where more rain needed.	

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*)						
	Central Districts.—(*Contd.*)	1872.				
RAJSHAHYE DIVISION. 9	Moorshedabad ...	Aug. 10th	0·85	Though there have been several showers, yet very little rain has fallen during the week; weather cloudy and sultry.	What rain has fallen has been of use to the ous crop, which promises to be a good one; but the prospects of the amun crop are not so good in all parts, and more rain is greatly wanted. The jute crop is looking well.	
10	Dinagepore ..	„ 10th	3·54	Rain more or less throughout the district. Temperature. Highest ... 90° Lowest ... 70°	Bhadoi dhan and jute begun to be cut. An eight-anna crop of the former and ten-anna crop of the latter expected. In some places there are still complaint of the rainfall being barely sufficient for the ropa dhan. This crop is backward owing to the late rains.	
11	Maldah	10th	0·93	Cloudy and rather warm. Rain on three days of the week	The growing crops—bhadoi dhan, Indian corn, &c., are in a satisfactory condition. A little rain is wanted in the jurisdiction of thannah English Bazar and Khurba. About a full crop of each is effected.	
12	Rajshahye .	„ 10th	·45	Cloudy and sultry, and with breaks of sunshine and very little rain.	Jute and indigo are being cut. Sugarcane and mulberry continue to thrive. The ous rice crops are backward for want of rain. For the amun paddy also more rain is required. The return to dry weather is favorable for silk, and the ryots who deal in cocoons are said to be doing an excellent business.	
13	Rungpore ...	„ 10th	3·25	Extreme heat during the first part of the week, but latterly refreshing showers made it slightly cooler.	The rain of last week was very beneficial, but more is required. The jute crops are looking well.	
14	ograh ..	„ 10th	0·38	Very generally the sky was clear; occasionally much clouds overhang the atmosphere but did not give rain. Warm and close weather. No unusual sickness.	There has been rain in the district generally during the early part of the week. The cutting of ous rice and jute has begun; the yield is below the average. The transplantation of amun seedlings continues. More rain is needed.	
15	Pubna ...	„ 10th	0·50	Cloudy, with drizzling rain; the wind blew from the east.	The rain has done much good to jute, paddy, and sugarcane, which were beginning to suffer through want of it. The indigo crop is nearly off the ground; the produce has been very good both in quantity and quality.	

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*)						
	Central Districts.—(Contd.)	1872.				
COOCH BEHAR DIVISION. 16	Darjeeling ...	.....	.....	.....	.....	Return not received.
17	Julpigoree ...	Aug. 10th	5·84	Sultry, steamy weather, with light showers, except on night of 8th and 9th, when heavy rain fell.	The rain that has fallen is sufficient in most parts to prevent actual loss of crop so far, but more is needed. In pergunnah Madari want of rain has greatly retarded planting out and a poor crop is anticipated. In some parts of pergunnah Bhattibaree crops are said to be greatly damaged owing to want of rain.	Cholera broke out again in the sudder bazar, and there have been a few deaths. The season is decidedly unhealthy, and this is most probably owing to the fitful way in which rain has fallen and the very great heat between the falls.
	Cooch Behar ...	„ 10th	8·60	Heavy rain in the latter part of the week.	Favorable.	
	Eastern Districts.					
DACCA DIVISION. 18	Dacca ...	„ 13th*	1·30	First four days of the week dry and hot; last three days cloudy and rainy.	Prospects of crops good, except amun in the west part of the district, which is suffering from want of sufficient rain and water. Rivers nearly stationary.	
19	Furreedpore ..	„ 10th	1·01	Drizzling rain five days in the week; strong and continuous sunshine during the remaining days; weather sultry and close.	The water of the Ganges is gradually rising, and is expected to prove favorable to the amun rice. The ous is being reaped, and the sunshine has proved very beneficial to it and the jute crop, by enabling the cultivators to thrash the grain out of the straw, and in drying and stacking the jute fibre, which had been separated from the stalks before making it up into bundles for use.	
20	Backergunge ...	„ 10th	1·90	Seasonable ...	Favorable.	
21	Mymensing ...	„ 3rd	5·84	General rain ...	The rain will give the requisite opportunity for pushing on the planting of the dhan, and the crop will probably be fine. Jute excellent.	
22	Sylhet ...	„ 3rd	11·93	Nothing but rain all through the week; not heavy, but still almost incessant. Max. temperature of week 88°; Minimum ditto 76·5°; Range ... 11·5°; Mean of highest readings ... 83·6°; Mean of lowest readings ... 77·4°; Approximate mean of week 80·5°	Domashi ous crop reaped. Twelve annas of chengri ous cut. The weather this week has been most favorable for the amun.	
23	Cachar ...	„ 3rd	6·11	Rain every day; the river is very high. The Katta khal has flooded part of Hylakandy, breaking the road at the Bakri Howar.	Splendid weather for cultivation. The prospects of the crop are very good. A flood is the only thing to be dreaded; it would do great harm now.	
CHITTAGONG DIVN. 24	Chittagong ...	„ 3rd	14·44	Heavy rain till yesterday, since when it has cleared up, and the weather promises fine. The rain seems to have been general over the district.	Favorable. The rain has stopped opportunely. A continuance of the fall might have damaged the young rice.	

* Received by telegram.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*) *Eastern Districts.*—(*Contd.*)		1872.				
CHITTAGONG DIVN.—(*Contd.*) 25	Noakhally ...	Aug. 3rd	11·07	Constant rain throughout the week.	Ous crop almost harvested in the district; amun crops progressing favorably.	
26	Tipperah ...	„ 10th	2·19	Frequent but light showers alternated with bright hot weather.	Very good weather for the crops. There has been enough rain in Brahmanbarya to prevent further loss than that already reported which is not very great. Amun rice is being transplanted. The jute crop is a fair one.	
27	Chittagong Hill Tracts	„ 3rd	1	Heavy incessant rain for the first five days of the week; little rain on the 2nd and 3rd August; weather cool.	The paddy and the cotton generally promise well; both have begun to flower. The cotton flowers have suffered a little owing to the heavy continued rain. The ous paddy is being gathered. The Indian corn has been reaped.	
	Hill Tipperah ...	„ 3rd	8·08	Very rainy, except the last day of the week, which was cloudy and hot.	Sowing has nearly been finished. Prospects good.	Fever still prevails.
BEHAR. PATNA DIVISION. 28	Patna ...	„ 10th	Nil	Hot and sultry, with alternate clouds and sunshine.	The bhadoi crops are first rate. Rain is much wanted for the rice, though the transplanting of it may still be said to be going on satisfactorily.	
29	Gya ...	„ 10th	1·57	Sufficient rain. Weather seasonable.	Rice is being transplanted freely. Bhadoi continues very promising.	
30	Shahabad ...	„ 10th	0·22	Cloudy and variable wind. Very little rain fell during the week; more rain wanted. Thermometer. Maximum ... 94° Minimum ... 78° Barometer. Highest rdng. 29·590 Lowest rdng. 29·440	The aghani paddy crop is somewhat backward owing to a want of sufficient rain, more particularly to the south of the district. The bhadoi, sugarcane, and indigo crops promise well.	
31	Tirhoot ...	„ 10th	·9	Weather fine; occasional showers, and intervals of sunshine.	Transplanting of rice seedlings has commenced. The young rice plants looking healthy. Bhadoi crops are in an excellent state. Second indigo crops hopeful. The rain has done good to all crops.	
32	Sarun ...	„ 10th	·59	East and west winds. Slight rain general throughout the district.	Indigo manufacture is going on steadily; its outturn is expected to be fair this year. Bhadoi crops promise well. The transplantation of rice seedlings is going on rapidly. Owing to a rise in the Daha Soondhi, dhan and the bhadoi crops have, as usual, suffered to some extent in Nowagaon, Nowadab, and Mobaruckpore, in pergunnah Baul. Rain much wanted for the dhan crop in the south-eastern portion of the district.	
33	Champarun ...	„ 10th	0·10	Slight rain on Wednesday. Hot weather; gentle east winds.	The bhadoi crops are thriving well, and the transplantation of dhan is nearly completed. The outturn of indigo is expected to be fair this year.	

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BEHAR.—(*Contd.*)		1872.				
BHAGULPORE DIVISION.						
34	Monghyr ...	Aug. 10th	0·08	Showers, but no heavy rain.	The food crops are promising. Last week's rain has told well in their favor.	General health very good. Dengue abating.
35	Bhaugulpore ...	" 13th*	·17	Scarcely any rain in south; only little in north.	Bhadoi crops still reported excellent, except in immediate neighbourhood of Ganges and Coosy, where they are flooded. Transplanting going on slowly now for want of rain. Copious rain urgently wanted. Prices rising.	
36	Purneah ...	" 10th	0·47	Rain is still wanted in all directions.	The prospects are good notwithstanding the want of rain. There is still a good deal of aghani rice to be transplanted. Jute promises very well in the north.	
37	*Sonthal Pergunnahs.* Rajmehal ..	" 10th	·03	Cloudy, with light occasional showers in parts of the sub division.	Indian corn will be a good crop; but dhan still very doubtful. Rain insufficient generally throughout the sub-division.	
	Deoghur ...	" 10th	·18	Hot and sultry ...	Want of rain is much felt in the north; towards the south prospects are better. Jenera and other high land crops are doing well, but the paddy crops are very backward.	
	Nya Doomka ...	" 10th	2·41	Showers every day throughout the week, alternating with bright sunshine.	Genera and other dry crops are very promising. Dhan planting actively going on very favorably at present. Everything promises well.	
	Godda ...	" 10th	Very little rain.	Unusually dry for the season of the year, and a very powerful sun.	The bhadoi is everywhere good, except in pergunnahs Monibary and Patsanda to the north, and there it is very poor, the hilly or damin portions of the pergunnahs excepted. The rain having held off, the prospects of the amun dhan are very gloomy.	
ORISSA.						
ORISSA DIVISION.						
38	Cuttack ...	" 13th*	3·45	Seasonable ...	Crops progressing satisfactorily.	
39	Pooree ...	" 3rd	1·30	Showers of moderate rain almost daily.	Prospects of next harvest are better this week, but grain in hand is still dear.	
40	Balasore ..	" 10th	4·54	Moderate rain daily ...	Crops progressing favorably.	Dengue and other fevers still prevail.
CHOTA NAGPORE.						
	South-West Frontier Agency.					
41	Hazareebaugh ...	" 10th	0·71	Hot and oppressive ...	Very good as regards the bhadoi crop. Rice crop backward, and transplanting again stopped owing to want of rain.	

* Received by telegram.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
CHOTA NAGPORE. *(Contd.)*						
	South-West Frontier Agency.—(Contd.)	1872.				
42	Lohardaggah ...	Aug. 10th	2·15	Weather seasonable; showers and sunshine.	Prospects in Chota Nagpore proper are very favorable. In Palamow there has been more heavy rain lately, and the prospects are much improved, thoughowing to want of early rain the harvest will not be a full one.	
43	Singbhoom ...	„ 3rd	3·53	Seasonable ...	Very favorable.	
ASSAM AND ADJACENT HILLS.						
44	Maunbhoom ...	„ 10th	0·43	Slight showers in the beginning of the week, since which no rain.	Crops suffering more or less all over the district for want of rain; if some does not fall shortly, the crops will fail. In some places not half the land has yet been planted.	
45	Goalparah ...	„ 3rd	5·34	Generally wet, cloudy and cool, with occasional sunshine.	Reaping of assoo crops completed in some parts with full harvest. It is reported that seedlings for winter crop, which have been transplanted, suffered for want of rain, but are again thriving. More rain is still wanted in the district.	
46	Kamroop ...	„ 12th*	0·92	Rain fell on three days.	The ous crop has been gathered in and is full. Shalee dhan is being transplanted and promises well. Prospects of tea, cotton, and sugarcane, favorable.	Public health good.
47	Durrung ...	„ 3rd	3·22	Sultry ...	Good in all points. Planting and ploughing going on apace.	
48	Nowgong ...	„ 3rd	4·18	Weathers casonable. Heavy showers general throughout the district, but not steady rain.	Crops doing well. Tea doing well.	
49	Seebsaugor ...	„ 3rd	1·84	Mostly cloudy, with frequent drizzlings and a few light showers of rain. Rains very scanty and insufficient for the season.	The ryots are busy planting out their rice, but more rain is much wanted, and unless it comes, the crop will not be a good one. Tea doing well.	
50	Luckimpore ...	„ 3rd	7·21	Heavy rain throughout the week, chiefly during the night, followed by bright sunny days, most favorable to all the staple crops of the district. The weather at North Luckimpore cool and pleasant Thermometer. Maximum ... 92° Minimum ... 79°	Late rain has been a little too heavy again for the planting out; everything however going satisfactorily, and no apprehension need be entertained.	
51	Naga Hills ...	July 27th	2·80	A good deal of rain in the hills to the south, and light showers elsewhere generally.	Much the same as last week.	
52	Khasi and Jynteah Hills.	Augt. 3rd	7·83 4·0 0·3 2·0 1·0	There has been heavy and constant rain during the period under report.	Crops are progressing well. The dry rice cultivation and the low-land rice fields are looking healthy. The potato, as also the other kinds of cereals, are flourishing.	
53	Garo Hills ...	„ 3rd	8·85	There has been considerable rain during the week, which seems to have been general in the district.	There is not much change to report. Rain, which was needed, has fallen.	

* Received by telegram.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

Divisions.	Districts.	Stations.	Rain from 22nd to 28th July 1872.	Rain from 29th July to 3rd Aug. 1872.	Rain from 1st January 1872. Inches.	Rain from 1st January 1872. Up to date.	Remarks.
BENGAL.			Inches	Inches.			
	Western Districts.						
Burdwan.	Burdwan ...	Burdwan	2·90	1·20	20·06	3rd Aug. 1872.	
		Cutwa	1·76	5·03	31·45	ditto.	
		Culna	0·89	Not received	21·79	28th July 1872.	
		Bood-Bood	0·55	3·71	2[illegible]·54	3rd Aug. 1872	
		Raneegunge	2·04	1·33	23·33	ditto.	
		Jehanabad	1·27	Not received	30·70	28th July 1872.	
	Bancoorah ...	Bancoorah ...	0·18	1·49	18·12	3rd Aug. 1872.	
	Beerbhoom ...	Sooree	4·04	4·19	7·64	ditto.	
	Midnapore ...	Midnapore	2·29	1·90	23·97	ditto.	
		Tumlook	1·18	0·65	22·40	ditto.	
		Gurbetta	0·91	1·66	19·79	ditto.	
		Contai { Dy. Collr.'s Office	1·07	0·64	25·74	ditto.	
		Contai { Exc. Engr.'s Office...	1·60	0·40	26·10	ditto.	
	Hooghly ...	Hooghly	1·03	1·46	26·72	ditto.	
		Serampore	3·01	3·00	30·09	ditto.	
	Howrah ...	Howrah	1·[illegible]3	1·25	22·62	ditto.	
	Central Districts.						
Presidency.	24-Pergunnahs ...	Saugor Island	1·20	2·10	31·12	ditto.	
		Calcutta	1·82	1·11	22·47	ditto.	
		Alipore { Dispensary ...	2·14	1·14	21·83	ditto.	
		Alipore { Jail	2·74	1·06	21·80	ditto.	
		Busseerhaut	4·[illegible]8	Not received	30·21	28th July 1872.	
		Baraset	1·54	ditto	22·73	ditto.	
		Diamond Harbour	4·05	0·85	29·48	3rd Aug. 1872.	
		Barrapore	2·14	Not received	20·36	28th July 1872.	
		Satkherah	3·53	ditto	28·26	ditto.	
		Barrackpore	2·53	4·87	35·04	3rd Aug. 1872	
		Dum-Dum	3·57	Not received	32·00	28th July 1872.	
	Nuddea ...	Kreshnaghur ...	0·70	2·32	23·74	3rd Aug 1872.	
		Bongong	1·03	5·11	23·68	ditto.	
		Meherpore	1·41	6·82	35·78	ditto.	
		Chooadangah	1·20	3·85	25·60	ditto.	
		Kooshtea	1·42	2·95	26·80	ditto.	
		Ranaghat	1·22	1·65	28·92	ditto.	
	Jessore ...	Jessore	2·22	4·71	43·28	ditto.	
		Nurail	2·26	5·05	38·39	ditto.	
		Khoolneah	3·70	2·45	33·61	ditto.	
		Jemdah	Not received	Not received	30·91	21st July 1872.	
		Bagirhaut	4·11	1·80	35·61	3rd Aug. 1872	
		Magoorah	2·16	3·94	27·96	ditto.	
		Bernampore	0·85	6·23	31·34	ditto.	
	Moorshedabad ...	Jamoonkundi	2·23	Not received	18·34	28th July 1872.	
		City Moorshedabad	0·52	6·56	30·09	3rd Aug 1872.	
		Jungipore	1·71	Not received	29·03	28th July 1872	
		Azimgunge	1·98	4·37	27·58	3rd Aug. 1872.	From 1st Feb.
Rajshahye.	Dinagepore ..	Dinagepore	3·72	6·65	40·77	ditto.	
	Maldah ...	Maldah	1·03	2·78	31·26	ditto.	
	Rajshahye ...	Beauleah	1·58	3·58	24·65	ditto.	
		Nattore	1·34	2·19	25·71	ditto.	
		Rungpore	0·83	11·00	48·05	ditto.	
	Rungpore ...	Bhowanigunge	4·53	Not received	38·19	28th July 1872	
		Pitalya	3·03	6·50	61·76	3rd Aug. 1872	
	Bograh ...	Bograh	0·62	5·72	42·57	ditto.	
	Pubna ...	Pubna	1·02	2·67	29·56	ditto.	
		Serajgunge	3·17	2·95	36·85	ditto.	
Cooch Behar.	Darjeeling ...	Darjeeling { Telegraph Office	Not received	Not received	57·55	15th July 1872.	
		Darjeeling { Hospital ..	3·84	4·83	55·05	3rd Aug. 1872	Not received 8th to 14th July.
		Rungbee	Not received	Not received	47·13	30th June 1872.	
	Julpigoree ...	Julpigoree	1·75	2·77	67·69	3rd Aug. 1872.	
		Boda	0·22	1·31	15·13	ditto.	
	Cooch Behar Tributary States ...	Cooch Behar	0·95	5·09	81·54	ditto.	
	Bhutan Dooars ...	Buxa	5·73	5·66	114·12	ditto.	
	Eastern Districts.						
Dacca.	Dacca ...	Dacca { Telegraph Office ...	5·59	5·24	47·68	ditto.	
		Dacca { Hospital	5·39	3·50	42·00	ditto.	
		Moonshegunge	6·75	7·09	28·32	ditto ...	From 10th June.
		Manickgunge ...	3·71	3·09	9·56	ditto ...	From 15th July.
	Furreedpore ...	Furreedpore	4·66	5·08	29·54	ditto.	
		Goalundo	3·63	4·19	31·79	ditto.	
	Backergunge ...	Burrisaul	4·33	5·25	52·51	ditto.	
		Perozepore	6·23	4·05	40·02	ditto.	
		Madaripore	4·75	4·35	53·52	ditto.	
		Patoakhally ...	11·64	8·38	48·50	ditto ...	From 13th May.
		Dowlat Khan	6·23	6·44	50·85	ditto.	
	Mymensing ...	Mymensing	3·52	4·34	45·68	ditto.	
		Jamalpore	2·70	12·70	49·88	ditto.	
		Attesh	3·23	2·62	30·55	ditto.	
		Kishoregunge	3·15	9·11	57·46	ditto.	
	Sylhet ...	Sylhet	5·52	11·35	148·37	ditto.	
	Cachar ...	Cachar	Not received	5·21	72·98	ditto ..	Not received 22nd to 28th July.
		Hylakandy	7·25	Not received	75·93	28th July 1872.	
		Koyah	5·65	up 1·66	83·29	3rd Aug. 1872.	Not received 8th to 14th July.
Chittagong.	Chittagong ...	Chittagong { Telegraph Office	9·10	11·00	61·60	ditto.	
		Chittagong { Jail ...	8·66	Not received	48·06	28th July 1872.	
		Cox's Bazar	11·53	ditto	78·01	ditto.	
	Ditto Hill Tracts ...	Runganutee Hill	8·37	9·36	65·62	3rd Aug. 1872.	
	Noakhally ...	Noakhally	7·14	7·73	63·58	ditto.	
	Tipperah ...	Comillah	9·42	7·35	51·82	ditto.	
		Brahmanbariah ...	2·78	3·05	36·97	ditto.	

Divisions.	Districts.	Stations.	Rain from 22nd to 28th July 1872.	Rain from 29th July to 3rd Aug. 1872.	Rain from 1st January 1872. Inches.	Rain from 1st January 1872. Up to date.	Remarks.
BEHAR.							
			Inches.	Inches.			
PATNA.	EASTERN DISTRICTS.						
	Patna ...	Patna	1·04	2·99	19·14	3rd Aug. 1872	
		Behar	3·12	4·26	21·41	ditto.	
		Barh .. .	0·30	5·33	7·11	ditto.	
		Dinapore { Hospital ...	0·28	2·53	4·76	ditto.	
		Dinapore { Cantonment ...	3·12	5·97	22·4[illegible]	ditto.	
	Gya ...	Gya	3·74	4·31	21·08	ditto.	
		Nowadah	1·19	4·43	20·91	ditto.	
		Aurungabad	3·18	5·61	24·63	ditto.	
		Sherghotty	2·41	7·74	25·60	ditto.	
	Shahabad ...	Arrah	0·48	2·18	21·35	ditto.	
		Sasseram	2·25	6·27	19·53	ditto.	
		Buxar	0.85	2·60	19·21	ditto.	
		Bhuboah	5·25	3·[illegible]2	25·15	ditto.	
	Tirhoot ...	Mozufferpore	1·20	4·30	28·74	ditto.	
		Durbhangah	0·75	8·82	23·45	ditto.	
		Hajipore	0·44	4·59	19·62	ditto.	
		Mudhubani	0·43	5·04	29·12	ditto.	
		Seetamaree	0·20	3·10	37·35	ditto.	
		Tajpore	1·70	3·00	25·31	ditto.	
	Sarun ...	Chuprah	2·31	3·81	26·82	ditto.	
		Sewan	1·39	3·22	30·34	ditto.	
	Chumparun ...	Motechari	0·25	7·81	33·25	ditto.	
		Bettiah	1·30	1·50	25·75	ditto.	
BHAUGULPORE.	Monghyr ...	Monghyr	2·79	3·33	17·75	ditto.	
		Begooserai	1·61	4·81	22·74	ditto	
		Jamooie	1·53	4·78	17·95	ditto ...	Not recorded 29th Jan. to 3rd Feb.
	Bhaugulpore ...	Bhaugulpore	0·80	1·83	17·12	ditto.	
		Soopool	0·63	Not received	24·23	28th July 1872	
		Mudheypoorah	0·87	2·70	21·27	3rd Aug. 1872	
		Banka	0·43	3·01	26·03	ditto.	
	Purneah ...	Purneah	1·40	3·75	36·13	ditto.	
		Kishengunge	2·30	[illegible]·91	42·63	ditto.	
		Arrareah	Not received	8·31	35·92	ditto ...	Not recorded 22nd to 28th Jan., and not received 22nd to 28th July.
	Sonthal Pergunnahs	Deogur	1·81	0·89	15·18	ditto.	
		Jamtara	4·70	3·90	27·02	ditto.	
		Rajmehal	2·40	1·40	16·02	ditto.	
		Pakour	1·64	1·49	23·36	ditto.	
		Nya-Doomka	3·26	5·43	28·50	ditto.	
ORISSA.							
ORISSA.	Cuttack ...	Cuttack { Telegraph Office ...	4·50	1·50	23·20	ditto.	
		Cuttack { Hospital ...	4·38	1·67	35·25	ditto.	
		Jajipore	3·90	1·20	37·12	ditto.	
		Kendraparah	4·70	0·40	35·55	ditto.	
		Jugutsingpore	3·00	0·30	39·80	ditto.	
		False Point	4·15	Not received	57·31	28th July 1872	
	Pooree ...	Pooree	0·74	1·05	33·58	3rd Aug. 1872.	
		Khoordah	5·69	Not received	31·39	28th July 1872.	Not received 15th to 21st July.
	Balasore ...	Balasore	0·73	4·63	36·38	3rd Aug. 1872.	
		Bhuddruck	1.62	4·56	39·83	ditto ...	Not received 15th to 21st July.
	Cuttack Tributary Mehals ...	Sambulpore	Not received	Not received	15·51	30th June 1872.	
CHOTA NAGPORE.							
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebaugh ...	Hazareebaugh { Jail ...	3·14	5·08	17·77	3rd Aug. 1872.	
		Hazareebaugh { Dispensary ...	4·23	5·20	19·86	ditto.	
		Puchumba	2·24	5·49	19·61	ditto.	
	Lohardduggah ...	Ranchee	3·91	2·02	27·25	ditto.	
		Palamow	2·17	3·43	14·04	ditto.	
	Singbhoom ...	Chyebassa	3·61	3·60	26·80	ditto.	
	Manbhoom ...	Purulia	1·57	2·63	27·40	ditto.	
		Gobindpore	4·15	4·15	27·63	ditto.	
ASSAM AND ADJACENT HILLS.							
	Goalparah ...	Goalparah	1·32	4·15	64·63	ditto.	
		Dhoobree	3·35	Not received	75·19	28th July 1872.	
	Kamroop ...	Gowhatty	1·72	3·83	45·94	3rd Aug. 1872.	
		Burpettah	Not received	Not received	66·88	7th July 1872.	
	Durrung ...	Tezpore	ditto	ditto	22·65	21st July 1872.	
		Mungledye	2·59	ditto	42·05	28th July 1872.	
	Nowgong ...	Nowgong	5·00	ditto	89·83	ditto.	
	Seebsagor ...	Seebsagor	1·76	ditto	59·33	ditto.	
		Golaghat	1·84	ditto	35·12	ditto.	
		Jorehaut	3·00	ditto	47·00	ditto.	
		Nazeeran	5·42	ditto	50·93	ditto.	
	Luckimpore ...	Debrooghur	7·22	ditto	61·33	ditto ...	Not recorded 8th to 14th July.
		Suddya	2·96	ditto	48·55	ditto ...	Not received 1st to 7th July.
	Naga Hills ...	Samoogoodting	4·65	ditto	27·49	ditto.	
	Khasi and Jynteah Hills.	Shillong	0·35	ditto	36·55	ditto.	
		Jaowai	2·64	ditto	74·47	ditto.	
		Cherrapoonjee	19·85	40·74	316·43	3rd Aug. 1872.	
	Garo Hills ...	Tura	3·19	8·58	64·27	ditto.	
		Benares	2·75	2·40	20·05	ditto.	
		Assab	20·70	5·10	109·60	ditto.	

CALCUTTA,
The 10th August 1872.

W. G. WILLSON,
Offg. Meteorological Reporter to the Govt. of Bengal.

Meteorological Telegraphic Report for the period 4th to 10th August 1872.

Stations.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	Thermometer. Dry.	Thermometer. Wet.	Humidity Sat. =100	Wind. Direction.	Wind. Velocity.*	Rain.	Clouds.	Weather initials.
	Aug.											
Calcutta.	4th	10	29·604	29·622	87·4	83	81	S S E	...	...	K & C	
		16	29·472	29·490	84	82	91	S by E	...	0·41	S	
	5th	10	29·550	29·568	87·4	83·3	83	S E	...	...	K	
		16	29·453	29·471	84	82	91	S S E	...	0·34	K & C	
	6th	10	29·594	29·612	80	79	97	S E	..	...	.....	
		16	29·511	29·529	8..	82	83	S	...	0·56	K	
	7th	10	29·63.0	29·657	84	81	87	S	...	...	K & C	
		16	29·511	29·559	82	80	91	S by W	...	0·25	.....	o & d
	8th	10	29·639	29·657	83	81	91	S W	...	0·28	S	scuds
		16	29·506	29·574	84·5	81	85	S W	...	0·23	.....	o
	9th	10	29·664	29·681	86	82·5	85	S by E	...	..	K	
		16	29·559	29·577	86	82	83	S	...	0·22	K	
	10th	10	29·659	29·677	86·5	82·4	83	S by E	...	...	K	scuds
		16	29·579	29·597	82·3	80·5	91	S W	..	0·20	.....	o, t, d
Saugor Island.	4th	10	29·604	29·610	88	84	83	S S W	3·6	...	N	b
		16	29·481	29·487	88	82	76	S S E	6·7	...	N	u
	5th	10	29·551	29·557	87	83	83	S E	3·9	...	N	b, p
		16	29·46..	29·466	87	83	83	S E	11·8	...	N	u, scuds
	6th	10	29·595	29·601	83	80	87	S S E	18·5	0·30	N	o, p, v
		16	29·520	29·526	87	83	83	S S E	14·2	0·10	N	v, scuds
	7th	10	29·649	29·655	85	82	87	S	9·3	0·10	N	b, p, v, scuds
		16	29·564	29·570	87	83	83	S	13·0	0·10	N	m, scuds
	8th	10	29·648	29·654	88	83	80	S S W	13·9	0·10	N	b, v, scuds
		16	29·560	29·566	86	82	83	S	13·7	0·10	N	b, p
	9th	10	29·663	29·669	87	82	79	S S E	9·5	...	N	b
		16	29·582	29·588	88	83	80	S S E	10·0	0·10	N	b, v
	10th	10	29·651	29·657	88	83	80	S	7·8	0·10	N	b, v
		16	29·582	29·588	87	82	79	S S E	5·4	...	N	b
Chittagong.	4th	10	29·494	29·586	85	80	79	S S E	3·7	...	.....	b
		16	29·444	29·536	85	81	83	S W	7·5	...	K, CK, C	b
	5th	10	29·539	29·631	83	79	83	E	5·2	0·80	KS	b, v
		16	29·447	29·539	83	81	91	S	9·2	0·10	K, KS	b, v
	6th	10	29·594	29·686	85	75	75	S	6·6	0·10	K	b, v
		16	29·512	29·604	86	81	79	S S E	11·9	...	K	b, t
	7th	10	29·643	29·735	85	80	79	S S E	7·3	...	K, KS	b
		16	29·552	29·644	84	81	87	S W	13·5	...	K, KS	b
	8th	10	29·643	29·735	85	82	87	S E	5·9	...	K, CK	b
		16	29·542	29·634	85	83	91	S W	10·5	...	K, C	b
	9th	10	29·653	29·745	86	84	91	S	5·6	...	K	b
		16	29·552	29·644	84	82	91	S	14·4	...	K, KS	b
	10th	10	29·651	29·743	87	84	87	S	4·8	...	K	b
		16	29·534	29·627	82	80	91	S W	13·1	...	N	d, u
Madras.	4th	10	29·746	29·776	89	76	52	W N W	15	...	.....	c
		16	29·645	29·675	87	78	65	N E by E	4	...	.....	c
	5th	10	29·723	29·753	84	77	71	W by S	9	0·64	.....	o
		16	29·612	29·642	89	78	59	N N W	4	...	.....	c
	6th	10	29·715	29·715	87	76	58	S W by W	12	...	.....	m
		16	29·604	29·634	91	77	50	S W by W	11	...	.....	c
	7th	10	29·735	29·765	86	77	64	W by S	11	1·78	.....	c
		16	29·618	29·648	90	79	59	S W by W	9	...	.....	c
	8th	10	29·755	29·785	80	75	78	W	7	2·10	.....	o
		16	29·662	29·692	83	77	75	W by S	3	...	.....	o
	9th	10	29·767	29·797	77	74	86	W by S	9	0·17	.....	o
		16	29·690	29·720	82	76	74	W S W	8	...	.....	o
	10th	10	29·765	29·795	83	75	67	W S W	10	...	.....	cloudy
		16	29·674	29·704	87	76	58	W S W	8	...	.....	cloudy
Cuttack.	4th	10	29·579	29·661	85	81	83	S W	3·0	0·10	.....	fine
		16	29·405	29·487	87	82	79	N N W	4·8	0·10	.....	cloudy
	5th	10	29·474	29·556	83	81	91	W	2·6	...	.....	cloudy
		16	29·413	29·496	82	80	91	W	4·0	...	CK	cloudy
	6th	10	29·518	29·601	81	79	91	W	1·6	0·30	N	d
		16	29·415	29·497	88	80	69	S S W	3·9	...	.....	cloudy
	7th	10	29·556	29·638	88	82	76	S W	2·8	...	.....	cloudy
		16	29·477	29·559	85	82	87	S W	4·9	0·10	N, KS	cloudy
	8th	10	29·586	29·668	86	81	79	S	3·7	...	N, KS	cloudy
		16	29·455	29·537	88	82	76	S S W	3·2	...	.....	fair
	9th	10	29·579	29·661	88	81	72	S	1·4	...	.....	fair
		16	29·525	29·608	82	80	91	S W	3·8	...	C, S	fair
	10th	10	29·566	29·648	87	81	76	S S E	0·9	...	N, KS	fair
		16	29·475	29·557	89	82	73	S	5·0	...	N, CK	fair
Akyab.	4th	10	29·662	29·683	84	81	87	S S W	0·6		.....	b
		16	29·516	29·537	84	82	91	S W	0·3	0·20	.....	b
	5th	10	29·636	29·658	80	79	95	E N E	0·1	...	.....	o, d
		16	29·549	29·571	82	79	87	S	0·8	0·90	.....	g
	6th	10	29·685	29·706	84	80	83	S E	1·1	...	.....	b, g
		16	29·610	29·631	85	81	83	S	1·6	0·40	.....	b
	7th	10	29·732	29·754	78	78	100	S	0·5	.	N	
		16	29·635	29·656	84	80	83	S S W	1·0	1·50	.....	b
	8th	10	29·735	29·756	84	80	83	S	0·1	...	.....	b
		16	29·633	29·654	85	80	79	S S W	0·6	0·10	.....	b
	9th	10	29·765	29·787	80	78	91	S E	0·1	...	.....	r
		16	29·643	29·664	84	80	83	S	2·8	0·10	.....	d
	10th	10	29·730	29·752	81	79	91	S	0·1	...	.....	d
		16	29·640	29·661	84	80	83	S	1·5	0·30	.....	g

* Velocity of wind in miles per hour.

CALCUTTA,
The 10th August 1872.

W. G. WILLSON,
Offg. Meteorological Reporter to the Government of Bengal.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 1st to 7th August 1872.

Month.	Date.	Mean reduced barometer.	Thermometer. Highest reading.	Thermometer. Lowest reading.	Thermometer. Max. solar radiation.	Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	Wind. Prevailing direction.	Wind. Max. pressure.	Wind. Daily velocity.	Rain.	Moon's phases.	General Remarks.
		Inches.	°	°	°	°	°	°			lb.	Miles.	In.		
August	1st	29·553	85·5	80·0	105·0	82·4	80·9	79·8	0·92	N by E & S S W	...	58·8	0·07	...	Overcast. Thunder from 2½ to 5 P.M. Drizzled at 1, 6, 8 A.M., from 3 to 7 and at 10 and 11 P.M.
	2nd	·580	85·2	80·0	122·7	82·2	80·6	79·5	·92	S S W & S by E	...	48·7	0·14	...	Chiefly overcast. Thunder at 2 and 9½ P.M. Lightning at 9 P.M. Light rain after intervals.
	3rd	·552	89·0	79·4	139·5	83·4	80·7	78·8	·87	S S W, S & S by E	...	37·8	0·19	...	Overcast, cumuli, stratoni, and clear. Slight rain from midnight to 2 A.M.
	4th	·546	90·8	81·4	149·0	84·2	81·8	80·1	·88	S by E & S	1·8	69·4	0·41	○	Clear, cirri, and cumuli, Thunder from 1¼ to 3 P.M. Lightning at 2½, 8 and 11 P.M. Rain at 2 P.M.
	5th	·518	92·0	81·5	144·0	83·9	81·6	80·0	·88	S by E & S S E	...	127·8	0·31	...	Clouds of different kinds. Rain at 3, 5 and 6¼ P.M.
	6th	·558	85·9	79·5	130·0	82·4	80·4	79·0	·90	S E, E by S, & S by E	1·0	156·0	0·56	...	Clouds of different kinds. Thunder at 1 P.M. Rain from 8½ to 10 A.M. and at 1 P.M.
	7th	·592	87·2	80·5	138·5	82·8	80·8	79·4	·90	S S E & S	1·8	96·5	0·25	...	Stratoni, overcast, and clear. Thunder at 11½ A.M. and 2½ P.M. Slight rain at 12 A.M. and from 2 to 4 P.M.

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants. The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity. The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches above the level of the ground. The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	° 12·6
The max. temperature during the past seven days	...	92·0
The max. temperature during the corresponding period of the past year	...	89·2
The mean humidity during the past seven days	...	0·90
The mean humidity during the corresponding period of the past year	...	0·89
		Inches.
The total fall of rain from 1st to 7th — by lower rain gauge	...	1·96
The total fall of rain from 1st to 7th — by anemometer gauge	...	1·91
Ditto ditto ditto average of eighteen previous years	...	3·66
Ditto ditto between the 1st January and the 7th August	...	24·03
Ditto ditto ditto ditto, average of eighteen previous years	...	42·29

GOPEENAUTH SEN,
In charge of the Observatory.

The 9th August 1872.

Public Works Department,—Bengal.

GENERAL ESTABLISHMENT.—No. 282.—*The 5th August* 1872.

Statement showing heights over mean sea level and low water on Rivers Ganges and Bhagirutty during the month of July 1872.

Date.	Miles.	River Ganges.														River Bhagirutty.			
		Benares.		Buxar.		Dinapore.		Monghyr.		Sahibgunge.		Rampore Beauleah.		Goalundo.		Berhampore.		Kishnaghur.	
				90.		177.	87.	287.	110.	381.	94.	471.	90.	591.	120.			70.	
	Distance.			From Benares.		From Benares.	From Buxar.	From Benares.	From Dinapore.	From Benares.	From Monghyr.	From Benares.	From Sahibgunge.	From Benares.	From Rampore Beauleah.			From Berhampore.	
		Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.
1st ...	...	7·0	203·50	8-4	174·32	11-6	151·50	9-4	111·18	10·50	78·50	9-9	51·75	17-83	26·77	12-10½	45·28	3-10½	12·67
2nd ..	...	9-0	205·50	8-10	174·82	11-7	151·58	11-1	112·93	10·84	78·84	10-0	52·00	17-75	26·69	13-1	45·48	4-8½	13·49
3rd ...	...	12-6	209·00	10-1	177·07	11-10	151·84	11-10	113·68	12·00	80·00	10-3½	52·29	17-50	26·44	13-4	45·73	4-10	13·62
4th ...	...	14-2	210·66	13-10	179·84	12-8	152·66	12-4	114·18	12·66	80·66	11-0	53·00	17-16	26·10	13-11	46·22	4-10½	13·67
5th ...	...	14-11	211·42	15-10	180·84	13-3	153·25	13-7	115·43	13·33	81·33	11-9	53·75	17-0	25·94	14-10	47·24	5-2½	13·99
6th ...	...	15-2	211·66	16-4	182·33	13-9	153·75	13-10	115·69	14·16	82·16	12-3	54·25	17-25	26·19	15-9	48·15	5-6½	14·33
7th ...	...	0	0	16-7	182·58	14-10	154·84	14-4	116·18	14·75	82·75	13-½	55·04	17-50	26·44	16-3	48·65	6-4½	15·16
8th ...	...	18-0	214·50	16-10	182·84	15-5½	155·44	15-3	117·10	15·45	83·45	13-9	55·75	17-83	26·77	16-9	49·15	7-3	16·04
9th ...	...	21-3	217·75	16-9	183·07	17-6	157·50	16-1	117·93	16·08	84·08	14-3	56·25	18-33	27·27	17-4	49·73	8-0	16·79
10th ...	...	22-0	218·50	22-2	188·66	18-11	158·92	17-9	119·60	17·25	85·25	14-9	56·75	18-58	27·52	18-1½	50·16	9-0½	17·83
11th ...	...	23-0	219·50	23-0	189·00	19-7½	159·62	19-5	121·25	18·50	86·50	15-8	57·66	18-92	27·86	19-0	51·40	10-1	18·87
12th ...	...	20-0	216·50	22-10	188·82	19-6	159·50	19-11	121·77	19·50	87·50	16-9	58·75	19-25	28·19	19-10	52·23	11-2	19·95
13th ...	...	21-0	217·50	22-4	188·00	18-9	158·75	20-0	121·85	20·00	88·00	17-9	59·75	19-33	28·27	20-6	52·90	12-2	20·95
14th ...	...	0	0	21-7	187·57	17-10	157·84	19-3	121·10	19·84	87·84	18-9	60·75	19-25	28·19	20-11½	53·36	13-3¾	22·10
15th ...	...	18-6	215·00	20-8	186·62	17-1	157·07	18-5	120·27	19·42	87·42	18-3	60·25	19-25	28·19	21-0	53·40	14-1½	22·91
16th ...	...	17-0	213·50	19-4	185·32	16-7	156·58	17-7	119·4	18·91	86·91	18-3½	60·29	19-50	28·44	20-11	53·32	14-9	23·54
17th ...	...	15-8	212.16	18-5	184·40	15-11	155·92	17-0	118·85	18·24	86·24	17-11	59·92	18-92	27·86	20-8	53·06	15-1	23·87
18th ...	...	14-11	211·42	17-6	183.48	15-8	155·66	16-4	118·18	17·83	85·23	17-7	59·58	18-75	27·69	20-5½	52·86	15-1	23·87
19th ...	...	14-3	210·75	16-10	182·82	15-2½	155·20	15-11½	117·81	17·25	85·25	17-1	59·08	18-66	27·60	20-1	52·48	14-11½	23·69
20th ...	...	13-7	210·09	16-2	182·15	15-3	155·25	15-6	117·35	16·84	84·84	16-8	58·66	18-50	27·44	19-8½	52·10	14-7	23·37
21st ...	...	0	0	15-8	181·65	15-3	155·25	15-5½	117·31	16·58	84·58	16-7	58·58	18·50	27·44	19-5	51·82	14-3	23·04
22nd ...	...	12-10	209·34	15-3	181·23	15-4	155·33	15-6	117·35	16·50	84·50	16-1	58·08	18-25	27·19	19-2½	51·60	14-0	22·79
23rd ...	...	13-0	209·50	14-10	180·82	15-3½	155.29	15-6	117·35	16·42	84·42	15-11	57·92	18-00	26·94	19-0¼	51·42	13-6¾	22·35
24th ...	...	14-2	210·66	15-3	181·25	14-11	154·92	15-5	117·26	16·42	84·42	15-8	57·66	18-00	26·94	18-10	51·24	13-2¾	22·05
25th ...	...	15-4	211·83	16-2	182·16	14-11	154·92	15-3	117·10	16·25	84·25	15-8	57·66	18-00	26·94	18-9½	51·19	13-1	21·87
26th ...	...	16-4	212·83	17-0	182·98	15-2	155·17	15-1	116·93	16·16	84·16	15-7	57·58	17-70	26·64	18-8½	51·10	12-11	21·71
27th ...	...	16-6	213·00	17-7	183·57	15-6	155·50	15-3	117·10	16·08	84·08	15-6	57·50	17-50	26·44	18-7½	51·02	12-8	21·45
28th ...	...	0	0	18-3	184·24	15-10	155·84	15-7	117·43	16·25	84·25	15-7	57·58	17-25	26·19	18-7	50·98	12-6½	21·33
29th ...	...	25-6	222·00	22-9	188·74	18-2	158·17	16-2	118·11	16·58	84·58	15-5½	57·46	17-16	26·10	18-7	50·98	12-6½	21·33
30th ...	...	28-0	224·50	26-11	192·90	20-1½	160·92	18-5	120·26	17·25	85·25	15-9	57·75	17-16	26·10	18-10½	51·27	12-6½	21·33
31st ...	...	29-0	225·50	28-2	194·16	22-9	[illegible]	21-5	123·26	19·50	87·50	16-6½	58·54	17-16	26·10	19-7½	52·02	12-10¾	21·67

GOVERNMENT OF BENGAL.

PUBLIC WORKS DEPARTMENT.

Irrigation Branch.

KHURREEP SEASON 1872, COMMENCING ON THE 1ST JUNE 1872.

Irrigation Operations of Lower Bengal during the month of June 1872.

Circle.	District.	Canal.	Water supplied during 1872.		Rice Irrigation.				Sugar cane and other perennial crop Irrigation.			Grand total of area leased up to the end of the month (total of columns 6 and 12.)	Grand total of corresponding period of last year.	Rainfall.			Remarks.
			Estimated full discharge in cubic feet per second.	Average discharge in cubic feet per second throughout the month.	Area leased on or before the 1st August.*	Area leased subsequent to the 1st August and up to the 1st of the month.	Area leased during the month.	Total area leased up to date (total of columns 6, 7, and 8.)	Area leased up to the 1st of the month.	Area leased during the month.	Total area leased up to date (total of columns 10 and 11.)			Inches during month.	Inches up to date.	Averages of ten previous years for the same period.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Orissa	Cuttack ...	High Level, Range I. ...	675	200	...	.....	...	...	...	...	.....	...	(a)3,265	17·71	20·74	16·03	
	Ditto ...	Kendrapara ...	1,262	508·479	201	.....	81	282	...	...	.....	282	(a)2,650	17·71	20·74	16·03	(a) No reliance can be placed in the figures in this column
	Ditto ...	Taldunda ...	1,300	30·0	...	.....	19	19	...	10	10	29	(a)500	17·71	20·74	16·03	
	Ditto ...	Machgong ...	650	7·87	...	.....	...	...	..	...	.....	...	...	17·71	20·74	16·03	
South-Western	Midnapore	Midnapore ...	875	...	...	.....	181	181	...	...	.....	181	(a)5,863	10·49	15·36	12·85	
	Howrah ...	Panchkoorah	240	172·06	...	.....	...	...	...	...	.....	...	...	9·45	11·55	Not available.	Head sluices discharging for 8 days only.
				Total ...	201	.....	281	482	...	10	10	492	(a)12.378				

* The 1st August is the date on which the penalty rate comes in force.

F. T. HAIG, *Lieut.-Colonel*, R.E.,
Offg. Joint-Secy., Govt. of Bengal, P. W. D., Irrigation Branch.

The 12th August 1872.

Weekly Return of Traffic Receipts on Indian Railways

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd August 1872, *on* 28 *miles open.*

	Coaching Traffic.			Merchandise and Mineral Traffic.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week	3,756	697 5 9	69 14 8	14,363 0	437 4 0	43 14 6	113 9 2
Or per mile of railway	133	24 14 6	2 9 9	514 0	15 9 10	1 11 3	4 1 0
For previous four weeks of half-year	15,894	2,714 11 3	271 9 5	53,204 20	1,626 8 0	162 13 0	434 2 5
Total for five weeks	19,690	3,412 1 0	341 4 1	67,597 20	2,063 12 0	206 7 6	547 11 7
Comparison.							
Total for corresponding week of previous year	4,278½	676 12 0	67 13 6	10,989 20	340 0 6	34 18 0	102 11 6
Per mile of railway corresponding week of previous year	153	24 2 9	2 8 4	391 30	12 7 5	1 4 11	3 13 3
Total to corresponding date of previous year	18,672	2,913 11 0	291 7 5	37,135 30	1,194 12 0	119 9 5	410 16 10

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 3rd August 1872, *on* 1,280 *miles open.*

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	86,710	1,06,550 11 4	9,767 3 0	408,530 30	2,45,535 3 9	22,507 7 11	32,274 10 11
Or per mile of railway ...	.....	83 3 11	7 12 7	.....	191 13 2	17 11 8	25 4 3
For previous four weeks of half-year	576,931	4,33,973 14 9	39,780 18 10	1,864,287 20	9,16,290 2 9	83,993 5 4	123,774 4 2
Total for five weeks ...	663,641	5,40,524 10 1	49,548 1 10	2,272,818 10	11,61,825 6 6	106,500 13 3	156,048 15 1
Comparison.							
Total for corresponding week of previous year...	91,937	98,710 8 11	9,048 9 4	329,843 10	1,91,703 3 6	17,572 15 11	26,621 5 3
Per mile of railway corresponding week of previous year ...	.....	77 2 4	7 1 5	.....	149 13 3	13 14 8	20 16 1
Total to corresponding date of previous year	469,506	5,49,816 13 6	50,402 12 7	2,029,628 10	12,78,882 9 4	117,230 18 1	167,633 10 8

EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 3rd August 1872, *on* 223½ *miles open.*

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week	4,081	8,103 1 8	742 15 8	25,858 10	9,310 4 3	853 8 10	1,596 4 6
Or per mile of railway	.....	36 4 1	3 6 6	.....	41 10 6	3 16 4	7 2 10
For previous four weeks of half-year	17,398	41,661 15 0	3,819 0 3	126,899 20	33,258 12 3	3,048 14 4	6,867 14 7
Total for five weeks ...	21,479	49,765 0 8	4,561 15 11	152,757 30	42,569 0 6	3,902 3 2	8,463 19 1
Comparison.							
Total for corresponding week of previous year	3,245	7,176 0 9	657 16 1	22,720 0	6,464 0 2	592 10 8	1,250 6
Per mile of railway corresponding week of previous year	.....	32 2 11	2 19 0	.....	28 15 9	2 13 2	5 12 2
Total to corresponding date of previous year	18,590	46,458 5 4	4,258 13 7	144,057 30	38,597 13 4	3,538 2 8	7,796 16 3

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 3rd August 1872, *on* 156½ *miles open.*

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	40,207½	18,694 3 6	1,658 12 9	117,156 27	28,593 3 8	2,621 0 11	4,270 13 8
Or per mile of railway	257	115 9 11	10 12 0	749 0	182 11 3	16 14 11	27 6 11
For previous four weeks of half-year.	109,136	62,885 15 3	5,764 10 10	482,777 0	1,34,585 11 9	12,337 0 4	18,101 11 2
Total for five weeks ...	149,343½	80,980 2 9	7,423 3 7	599,933 27	1,63,178 15 5	14,958 1 3	22,381 4 10
Comparison.							
Total for corresponding week of previous year	35,695	16,405 11 5	1,503 17 2	196,137 1	62,181 0 1	5,699 18 6	7,203 15
Per mile of railway corresponding week of previous year ...	228	104 13 3	9 12 2	1,253 0	397 5 2	36 8 5	46 0
Total to corresponding date of previous year	140,779½	77,302 8 5	7,086 1 3	676,972 15	2,11,074 8 8	19,348 10 1	26,434 11

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[REGISTERED No. 50.]

No. 36 of 1872

SUPPLEMENT TO
The Calcutta Gazette.

WEDNESDAY, AUGUST 21, 1872.

OFFICIAL PAPERS.

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The Burdwan Fever.

No. 422, dated Burdwan, the 14th August 1872.

From—T. B. LANE, Esq., Officiating Commissioner of Burdwan,

To—The Officiating Secretary to the Government of Bengal, Judicial Dept.

IN continuation of this office No. 367, dated the 6th ultimo, I have the honor to forward in original a letter, No. 236P, dated the 27th idem, from the Magistrate of Burdwan, submitting a narrative report on the fever relief operations of that district for the month of June last.

2. This report may be described briefly as more favorable than that of the previous months. Whilst the large number of dispensaries and food depôts established in the district were fully resorted to, the fever was nowhere actually on the increase by the occurrence of new cases, and generally the public health was said to be improving. The average daily number attending for medical relief was nearly 1,750. Food was given to a daily average of 227 people at twelve depôts, showing a decrease compared with May, when 288 were fed daily.

3. The state of health at the beginning of the present month of August has been reported to me as not so good in the town of *Burdwan* itself, though every means of relief are freely offered, and the Magistrate specially mentioned to me that the tincture of cinchona was succeeding where quinine failed. In the rest of *Burdwan* circle there has been no unfavorable change as regards the local fever, but dengue fever has spread.

4. In the Jehanabad circle further improvement is reported, though in the extreme south there is still much sickness, and specially to the south and lower side of the Dalkissore river. *Bood-Bood* and *Munglecote* circles show improvement.

5. The state of the district in regard to measures of relief for the sick has been fully entered into by me at Burdwan during the past week. I find that one tract to the west of the district is entirely free from all fever. From Kalkapore, on the Adjai, to the north, through the police station of Kaksa, down to the southern limit of pergunnah Sonamookhee, a line separates the healthy and unhealthy tracts. As far as I can ascertain at present, this is coincident with a gradual rise in level of the soil from this line westwards up to the level of Raneegunge. The tract thus free from fever is rather less than 500 square miles. The remainder of the district is more or less afflicted with the fever.

6. For relief purposes the district has been now divided into four circles, superintended generally by the Civil Surgeon, Dr. H. Purves.

1*st*.—*Burdwan Circle*, under the charge of Dr. Robinson, which includes also a part of the tract lately called Roynah circle.

2*nd*.—*Jehanabad Circle*, under the charge of Dr. Ghose, including the tract lately transferred from Hooghly district, the rest of the Roynah circle, and the late Oochalun circle.

3*rd*.—*Bood-Bood Circle*, in charge of Dr. Goopto, who has his head-quarters at Burdwan, including the old Khondghose circle.

7. These three circles comprise the whole portion of the district south of a line drawn through Burdwan station; and a few dispensaries to the north, which are easily reached from the station, are also supervised from thence. The rest of the district to the north and east is assigned to the—

4*th*.—*Munglecote Circle*, with head-quarters at a place called Gooshkara, under charge of the Sub-Assistant Surgeon Chunder Nath Biswas.

8. The eastern side of this tract is however less distressed with fever now, having unhappily been severely ravaged in 1868, and much depopulated. Its present state has been carefully examined and tested; a dispensary was opened first at Dewangunge to its north, but the attendance fell to 28 persons, and it was closed. Another was subsequently opened at Bamunpara in the centre of this tract, and this again was closed about the beginning of July, as but few made use of it. The Munglecote circle is really higher and drier than the rest of the district, but the type of fever was said to be worse there, and though the means of communication were better, quite as many dispensaries were at one time required as in the Burdwan circle.

9. Over the southern tract in the three other circles the country is very low, and communication in many places very difficult.

10. The number of dispensaries now open in each circle is as follows:—

Burdwan circle	...	...	...	15
Jehanabad circle	...	...	...	16
Bood-Bood circle	...	...	...	15
Munglecote circle	...	...	...	11

11. In addition to the medical men above named, a Sub-Assistant Surgeon or a selected Hospital Assistant is placed in charge of each dispensary, with one or two compounders and a hospital coolie.

12. So far back as December 1871, an attempt was made to organize a body of assistants from the retired compounders, or other men who had at one time received some medical instruction, and who were to be found in almost every village. One of these was to be placed at each dispensary for further instruction, with a view to his being ultimately placed in charge. There was a great want of co-operation, however, on the part of the dispensary officers, and the scheme fell through.

13. I discussed much the practicability of using these retired compounders as distributors of medicine from house to house amongst the poorer class, who are too ill or too proud to go to the dispensaries. I am afraid that

this class is numerous and suffers much for want of medicine and sometimes food. But I was told that it would be useless to entrust medicine to these men, who would either keep it, or endeavour to sell it, but would not properly distribute it. Except on this one point, the relief measures appear to me complete, and most admirably worked under Mr. Metcalfe and Dr. Purves. The town dispensaries which I visited gave evidence of great care and attention to the sick and needy.

14. I need only further mention the existing arrangements for distribution of food and clothing. These are separately supervised by a Deputy Collector. Purchases of stores are made in Calcutta, and sent out to the depôts specially selected in every case by himself after personal inquiry, and placed in charge of the chief village residents. The checks on imposition were fully described by the Magistrate in his long report, submitted to Government with this office No. 367, dated the 6th ultimo.

No. 236P, dated Burdwan, the 27th July 1872.

From—C. T. METCALFE, ESQ., Magistrate of Burdwan,

To—The Commissioner of the Burdwan Division.

I HAVE the honor to submit a narrative report on the fever relief operations of this district for the month of June last.

2. There has been some delay in the submission of this report, which is owing to the non-receipt of the dispensary returns, some of which have not been received up to date.

3. The subjoined is the figured statement showing the number of persons relieved at the dispensaries during the month of June.

NAME OF CIRCLE.	Number of dispensaries.	Remaining under treatment.	New patient.	Total.	Cured.	Released.	Died.	Remaining under treatment.	Total.	Average attendance during the month.	REMARKS.
Burdwan ...	16	13,018	13,790	26,808	9,353	4,320	54	13,081	26,808	893·53	
Munglecote ...	15	8,613	3,831	12,444	4,637	981	19	6,807	12,444	414·8	
Oochalun ...	9	10,098	7,467	17,565	4,861	2,942	10	9,752	17,565	585·5	
Khondghose ...	8	21,965	5,408	27,373	7,021	1,026	13	19,313	27,373	912·43	
Roynah ...	5	10,246	7,281	17,527	4,229	3,806	5	9,487	17,527	584·23	
Total ...	53	63,940	37,777	1,01,717	30,101	13,075	101	58,440	101,717	3,390·56	

4. Comparative statement of the scale of sickness as shown by register of attendance at dispensaries for the period of May and June 1872.

NAME OF CIRCLE.	Period.	Total of patients.	Period.	Total of patients.	Increase.	Decrease.
Burdwan	May	25,744	June	26,808	1,064	.....
Munglecote	"	15,706	"	12,444	.....	3,262
Khondghose	"	29,628	"	17,565	.....	12,063
Oochalun	"	20,857	"	27,373	6,516	.....
Roynah	"	20,061	"	17,527	.....	2,524
Total ...	...	111,996	...	101,717	7,580	17,859

5. The above statement exhibits a decrease of 10,279 in attendance during the month of June.

6. The following is the list of the dispensaries closed and opened during the month :—

NAME OF CIRCLE.	Name of dispensary opened.	Name of dispensary closed.
Burdwan	.....	Kanchunnuggur, No. 2.
Munglecote	Pattia	Munglecote.
Ditto	Bheddea	Koichur.
Ditto	Denonathpore	Gohogram.
Burdwan	Jamalpore	Bheddea. Polosun.
Munglecote	Bamoonarah	Jargram.
Roynah, sub-division Jehanabad.	Nunda	Bumnah.
Ditto ditto ...	Kendur	Tattarpore. Mindah.

7. The Civil Surgeon forwards reports from the inspecting officers of the various circles attached to this district. The reports embrace the period from 1st to the 22nd of the month.

8. *Burdwan Circle.*—Dr. Robinson, inspecting officer of the Burdwan Circle, finishes his report by stating that there is a general and very considerable improvement in the physical condition of the people. The death-rate throughout the district is very low. The poor recipients of food relief at the depôts highly approve of the measures. There is a general subsidence of the fever, though it cannot be said that the fever has left any one village yet.

9. *Munglecote Circle.*—Dr. K. P. Goopta, inspecting officer of the Munglecote Circle, visited almost all the dispensaries of his circle, and observes that there is a gradual decrease in the number of patients attending the following dispensaries,—Ausgram, Bhalkee, Jamtore, Dignuggur, Bagar, Shondah. Dr. K. P. Goopta found there is an increase in the number of patients in the Adra dispensary. This increase is not to be attributed to on account of the increase of fever, but the dispensary is now well known to the people, which was established in May last. Dr. K. P. Goopta recommends that a dispensary may be opened at Bhoorhee, a village about four miles from Shondah. Dr. K. P. Goopta passed through many villages and found the health of the people improving. From the registers examined by the aforesaid officer, he suspects that the registers kept by the Native Doctor of Dignuggur and Bagar are incorrect. I have therefore requested the Civil Surgeon to make inquiries regarding the particular points in which the registers are to be found incorrect, and to report to me the result of his inquiry. I have also requested the Civil Surgeon to institute inquiry regarding the unfavorable mention made by Dr. Goopta in his report against the Native Doctor of Shondah for his asking remuneration from a poor Brahmin of *Backta* when the Native Doctor visited the village on his inspection duty.

10. *Oochalun, Roynah, and Khondghose Circles.*—Dr. F. C. Ghose visited the following dispensaries: Ekloky, Kendoor, Gopalberah, Degulgram, Karore, Joobleah, Roynah, Arore, Meerpore, Poitah, Gotan, Sreekishtopore, Bamneah, Bellshur, Gobindpoor, Kurshundah, Khondghose, Sungshur, and Sondah. The inspecting officer finds that there has been an increase in the attendance of the patients in the Ekloky dispensary. This increase, as has been explained by him, is principally under the head of admissions, owing to those patients who, by the existence of the Tatterpore dispensary, which has been since abolished, formed rather a class of moving patients, taking medicines and advices from either of the dispensaries, according to their whim or caprice. The inspecting officer found here imperfect arrangements existed regarding the removal of the dead bodies, which have been since remedied. Dr. Ghose concludes his report by stating that the general health of the people is gradually improving. The fever is still at abeyance, and the chronic cases are generally doing well in almost all the dispensaries. The rate of mortality is still on the decrease. The opinion of the people as to the relief measures still continue favorable, and only in two instances complaints are received against the Native Doctors. In many villages where the dispensary is in existence the attendance is small from the village itself, the greater portion being from the distant villages, as in the cases of Sreekishtopore, Bellshur, and Ekloky.

11. *Munglecote Circle.*—The inspecting officer of this circle, Sub-Assistant Surgeon Baboo Chunder Nath Biswas, reports that the health of the people in his circle is improving. He found that the Mahomedeans of the village Orgram are in the habit of burying dead bodies close to their houses at Hattola. I have requested the Deputy Magistrate of Bood-Bood, in whose jurisdiction the village lies, personally to inspect the village; and if he finds that the practice is still existing, to arrest its continuance under the Criminal Procedure Code. This officer recommends to open a food depôt at Shur. Arrangements have been already made to open a food depôt at that village.

12. In the latter end of June information was received that there was great distress in the village of Denonathpore and Powgram near the Bhadia railway station, and in the villages of Shur, Bhoru, Kolekole, and Khanoo, near the junction railway station. Baboo Bogolanund Mookerjea, Deputy Magistrate, on special duty, and Baboo Protap Narain Singha, Deputy Magistrate of Bood-Bood, visited the places, and on their reports arrangements were made to open food depôts and dispensaries in those villages which have been opened in the beginning of the present month.

13. From the reports submitted by various officers it appears that the health of the people is generally improving, but as the rainy season has not yet completely set in in this district, apprehension is gravely entertained how far the health of the people will continue to improve. The fever cannot be said to have left any one village yet, and although the mortality as gathered from the dispensary returns was 101 during the month of June, still the number of patients received under medical treatment was great—58,440. The old cases require great care, and the slightest neglect will prove serious to their lives. Instances of new fever are also met here and there, and they are cases sometimes proving at once fatal. I am glad to mention that very great care is exhibited by the various officers in connection with the relief works in superintending the dispensaries and food depôts.

14. I beg to submit herewith a copy from the Civil Surgeon's report, No. 19, dated the 26th June last.

15. In connection with the dispensary report, I beg to subjoin a detailed statement showing the working of the food depôts for the month of June.

Statement of Expenditure in the Mofussil Food Reliefs between 1st June of the week ending 30th June 1872.

Names of places where relief is established.	Number of people relieved.	Expenditure on account of food.	Establishment charges.	Total cost.	Average cost per head.	REMARKS.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Shorytickur	588	28 7 8	6 10 7	35 2 3	0 0 11	
Palasee	582	25 3 8	6 14 8	32 2 4	0 0 10	
Gopalberah	72	3 8 0	1 10 0	5 2 0	0 1 1	
Koornum	635	40 10 0	8 5 5	48 15 5	0 1 1	
Ekloky	1,940	106 10 3	15 0 0	121 10 3	0 1 0	
Gulshee	109	5 10 1	1 10 6	7 1 7	0 1 0	
Jowgram	474	30 1 2	6 15 11	37 1 1	0 1 3	
Bhalkee	322	18 13 6	3 12 6	22 12 0	0 1 1	
Maha Chanda	816	39 4 6	10 0 0	49 4 6	0 0 11	
Sreekishtopore	279	16 6 4	3 0 0	19 6 4	0 1 1	
Digulgram	617	31 9 5	6 14 0	38 7 5	0 1 0	
Bood-Bood	293	14 15 5	8 0 0	22 15 5	0 1 3	
Total ...	6,816	361 6 0	78 13 7	440 3 7	0 1 0	
Daily average	227	12 0 9	2 10 0	14 10 9	0 1 0	
Cost per head per month	.....	1 9 9	0 6 0	1 15 9	.....	

16. Twelve food depôts worked during the month, of which two were closed in the beginning of the present month, and six new opened.

17. During the month of June 6,816 indigent sick were fed, the daily average being 227. During the month of May 8,943 indigent sick were fed, the average being 288 per diem. The cost incurred for the month of June was Rs. 361-6, at the rate of Rs. 14-10-9 per day, of which Rs. 12-0-9 for food, and only Rs. 2-10 establishment. The cost incurred for the month of May was Rs. 417-[illegible] at the rate of Rs. 16-0-6 per day, of which Rs. [illegible] for

food, and only Rs. 2-8-9 for establishment. Daily average cost per head for the month of June was 1 anna, and the monthly expenditure on each person was Rs. 1-15-9, of which the monthly expenditure for feeding Rs. 1-9-9 ; establishment 6 annas.

18. The increase in the monthly expenditure in the month of June to Rs. 1-15-9 from Rs. 1-12-6 in the month of May is due to the rise in the price of rice and vegetables, and in some food depôts, at the recommendation of the medical officers, food is also given in the evening, and oil is also prescribed for rubbing the bodies of the sick men, which indulgence was not recommended before. On the whole the expense is very moderate, considering that 6,816 persons were relieved, and the cost during the month was Rs. 361-6.

19. If there be no rain during this month, the price of grain is expected to rise still higher.

No. 19, dated Burdwan, the 26th June 1872.

From—Dr. H. B. Purves, Civil Surgeon of Burdwan,

To—The Deputy Inspector-General of Hospitals, Presidency Circle.

I have the honor to submit the following reports from the inspecting officers of endemic dispensaries in this district :

Assistant Surgeon K. P. Goopta, Munglecote circle, one report, from 15th to 23rd June 1872.

Sub-Assistant Surgeon Chunder Nath Biswas, Munglecote circle, two reports, from 8th to 21st June 1872.

Assistant Surgeon T. Robinson, Burdwan circle, one report, from 8th to 14th June 1872.

Assistant Surgeon F. C. Ghose, Oochalun, Roynah, and Khondghose circles, one report, from 8th to 15th June 1872.

Dr. Goopta reported himself for special duty here on the 13th instant. He received orders to proceed to Munglecote to inspect a number of the dispensaries in that circle. He visited eight, viz., Bheddea, Aorgram, Bhalkee, Jamtara, Dignuggur, Bagar, Shondah, and Adrah.

I noted in my last report that Dr. Ghose had visited Shondah.

Bheddea was established on the 13th instant, and the attendance has not been great. It is now discovered that greater sickness prevails in some neighbouring villages, so I have requested Dr. Goopta to remove this dispensary to the locality where the greatest amount of good can be done. The establishment of a food depôt in connection with the dispensary has also been suggested.

At Aorgram sickness is decreasing. The dispensary was not in good order.

The Bhalkee dispensary was in good order, but the attendance small.

As considerable sickness is reported at a village called Bhooree, lying between Gulshee and Shondah, I have requested Dr. Goopta to remove the Bhalkee dispensary to that place.

The Jamtarah dispensary is favorably noticed.

At Dignuggur the general state of the dispensary was found satisfactory, but the inspecting officer doubts the correctness of the returns, especially the new cases admitted.

At Bagar the attendance is considerable. The inspecting officer does not think that 3rd class hospital assistant Hatem Ali visits the neighbouring villages as he ought to do, and doubts the veracity of his returns.

At Shondah the attendance is good. Patients travel long distances to this dispensary. Some people belonging to a village called Backta, near Shondah, accuse apothecary class Native Doctor Gooroo Nath Roy of exacting fees from them. On the inspecting officer making further inquiries, many of the poor patients spoke highly in the Native Doctor's praise, and stated he never asked them for any remuneration whatever.

At Adrah the attendance is increasing. Dr. Goopta during his inspection tour travelled across country as far as possible, in order to learn the state of the villages lying between the various dispensaries.

As a rule he found the water-supply bad, and the simplest sanitary measures totally unattended to.

Although increased sickness is reported in the vicinity of Bheddea and Shondah, necessitating the establishment of dispensaries, still as a rule the general health was found comparatively good in most of the villages he visited.

Munglecote Circle.—Inspecting officer Sub-Assistant Surgeon Chunder Nath Biswas inspected Kaichur, Munglecote, Chanoke, Shur, Dignuggur, Mahatah, Aorgram, and Arore. Several of these dispensaries were inspected twice.

As noted in my last report, the Kaichur dispensary was removed to Bheddea on the 13th instant.

Several fresh cases of fever are reported at Shur, Mahatah, Aorgram, and Arore.

The Magistrate has been requested to pass orders for the proper disposal of the dead at a village named Kattolah near Aorgram.

As the inspecting officer reported considerable sickness at villages called Pattea and Bamoonarah, orders have been passed to establish dispensaries there.

Second class hospital assistant Shaik Fukeer Mahomed has received instructions to close the Munglecote dispensary and proceed to Pattea.

Vernacular licentiate class Native Doctor Nobin Chunder Sen, lately officiating at the jail hospital and Painroh endemic dispensary, has received orders to proceed to Bamoonarah to establish a dispensary there.

Burdwan Circle.—During the weeks under report Dr. Robinson was on special duty for several days at Assensole investigating a reported outbreak of cholera. A separate communication has been forwarded to you on the subject.

The following dispensaries were visited,—Seraitikkur, Jiccurhaut, Katrapotah, Gulshee, Itchlabazar, Baldangah, Juggutbaer, and Kanchunnuggur.

No complaints are made regarding the general management. The attendance at most of the dispensaries continues much the same.

Oochalun, Roynah, and Khondghose.—Dr. Ghose visited all the dispensaries in the above circles with the exception of Nundah, which was lately established at the suggestion of the Sanitary Commissioner.

Vernacular licentiate class Native Doctor Noshu Ram Ghosal reports that there is very little sickness at Nundah; Dr. Ghose will inspect the place as soon as practicable, and if necessary, order its removal to a locality where greater sickness prevails.

In these three circles the dispensaries are very close together, so that several can be visited in one day. This accounts for the number of dispensaries the inspecting officer has been able to visit in the period under notice.

Jehanabad, which lies to the south of Burdwan, has just been transferred from the Hooghly to the Burdwan district. Dr. Ghose has proceeded to Jehanabad to inspect that new part of the district, and will report on the state of health, and whether or not there is any necessity for the establishment of dispensaries.

The attendance at Ekloky has not materially increased since the Tatarpore dispensary was removed. There is no doubt that many patients attended both dispensaries and thus vitiated the statistics considerably. An extra coolie has been sanctioned, and the Magistrate has passed orders regarding the disposal of the dead.

If the average at Koyur continues as low as it is at present, I think the dispensary should be removed to another part of the circle. Since vernacular licentiate class Native Doctor Modhoo Sudhone Chuckerbutty, late of Kanchunnugger new dispensary, took over charge at Roynah, there has been a considerable increase in attendance.

When the inspecting officer visited Srikishtopore, Sub-Assistant Surgeon Amirto Lall Mozoomdar was preparing to remove the dispensary to Jamalpore.

Regarding the other dispensaries there is nothing worthy of particular notice.

I am glad to state that most of the dispensaries were inspected during the past fortnight, and some of them were visited twice and thrice. All the dispensaries in the Munglecote circle were visited, and it is so far satisfactory that many of those that had not been inspected for a long time were found in such fair order.

Munglecote is a very extensive circle, and the dispensaries in many instances at great distances apart.

I am endeavouring, in communication with the Magistrate, to re-arrange the dispensaries so as to distribute them as equally as possible among the four inspecting officers. When the rains fairly set in and the country gets flooded, inspection duty will not be easily carried out. If there be much sickness in and around Jehanabad, I fear Dr. Ghose will not be able to manage the work there in addition to his present share. This will necessitate some of the dispensaries south of the Damoodah being thrown into the Munglecote and Burdwan circles.

Many of the Native Doctors are not visiting the villages in the vicinity of their dispensaries as they should do; and several complaints have been received to the effect that the monthly allowance of Rs. 10 is insufficient to meet the expenditure incurred in travelling.

During the rainy season I fear very little travelling will be done by the majority of the medical officers.

The Sub-Assistant Surgeons and some of the Native Doctors have received a supply of the Darjeeling bark and tincture, and in a short time I hope to be able to furnish you with information regarding the efficacy or otherwise of these drugs in fever cases. The decrease of sickness in one part of the district, and an increase in another, necessitates the frequent changing of the dispensaries.

On the whole, however, I think the general health continues much the same as stated in my last report.

Resolution by the Government of Bengal, dated Calcutta, the 20th August 1872.

A letter No. 422, dated 14th August 1872, from the Officiating Commissioner of the Burdwan division, submitting with his remarks a narrative report by Mr. C. T. Metcalfe, Magistrate of Burdwan, on the fever relief operations in the Burdwan district for the month of June last.

1. The Lieutenant-Governor is glad to notice that there was a great improvement in the public health in the month of June last, which continued in most places up to August. The state of things in the town of Burdwan itself is now said to be looking a little worse, but the relief measures are in full operation. Great credit is due to the Commissioner and the other local officers for the complete organization established in the district for affording both medical and food relief to the sufferers.

2. It is a comfort to know that some part of the district which was formerly affected is ceasing to suffer from the fever, and that there is one tract which is entirely free from it. The Commissioner will be good enough to report whether the disease appears to be progressive in other directions at all, or if the limits already attained are stationary. It should be stated whether the tract to the west, now entirely free, ever suffered from the fever; and if so, when.

3. His Honor attributes very great importance to a thorough trial of the tincture of bark, as Government can readily produce it in large quantities from the cinchona plantations.

4. The Lieutenant-Governor has just learned with great pleasure that the Government of India has given a grant of one lakh of rupees towards the fever relief operations.

5. The acknowledgments of Government are due to Mr. T. B. Lane, the Officiating Commissioner of Burdwan, for the clear report now submitted by him.

ORDER.—Ordered that a copy of the report with this resolution be published in the *Calcutta Gazette*, and that a copy be forwarded to the Commissioner of the Burdwan division for information and guidance, and to the Inspector-General of Hospitals, Indian Medical Department, for information.

Outbreak of Cattle Disease in the Sibsaugor District.

No. 1292T, dated Shillong, the 1st August 1872.

From—COLONEL H. HOPKINSON, Agent, Governor-General, N.-E. F. and Commr., Assam,
To—The Offg. Secretary to the Government of Bengal, Judicial Department.

IN reply to your letter No. 2415 of the 7th idem (Judicial [Medical] Department), I have the honor to submit copy of a letter, No. 867 of the 24th July, with annexures, from the Deputy Commissioner of Sibsaugor, regarding the outbreak of cattle disease in that district.

2. The measures adopted by the local officers have been successful, and the disease which was confined to a few mouzahs only has now disappeared.

No. 867, dated Sibsaugor, the 24th July 1872.

From—MAJOR A. E. CAMPBELL, Deputy Commissioner, Sibsaugor,
To—The Personal Assistant to the Commissioner of Assam.

WITH reference to your memorandum No. 532T, dated 15th ultimo, forwarding copy of Government letter No. 2415 of the 7th idem, I have the honor to submit the following report on the outbreak of cattle disease in this district.

2. The disease appeared in the sub-divisions of Golaghat and Jorehaut in the month of March. In the latter sub-division it was confined entirely to one mouzah in the Majuli, and in Golaghat to a few mouzahs only. At no

time did the disease appear in that virulent form which distinguished it in 1869, and the measures adopted appeared to be able to control the disease from spreading.

3. In April the disease appeared in the sudder sub-district in three mouzahs, where 87 head of cattle died in a very short time, and it then appeared to stop. I inspected some of the cases myself, and although the symptoms seemed to be those of the cattle-plague or rinderpest, they appeared to me to be in a very mild form.

4. As soon as the disease appeared in the district, I issued strict orders to segregate the diseased and infected herds as much as possible, at the same time put a stop to cattle crossing over to or from the Majuli where the disease appeared to be worse. The disease has not at any time assumed a formidable aspect as on its last visitation, I therefore did not establish hospitals or issue medicine.

5. I am quite convinced that the disease was imported from Bengal by the droves of buffaloes which were brought up for sale. In a mouzah near this it appeared simultaneously with a drove of imported cattle.

6. I am happy to be able to say the disease has now stopped, and I beg to append reports, in original, received from the sub-divisional officers on the samp subject.

No. 253, dated Jorehaut, the 15th July 1872.

From—P. T. Carnegy, Esq., Assistant Commissioner, Jorehaut,

To—The Deputy Commissioner of Sibsaugor.

Secretary to the Government of Bengal's No. 2415, dated 7th June 1872.
Commissioner's Circular No. 43T, dated 20th June 1872.

As there have been no deaths amongst cattle from rinderpest within the present month, and the disease seems to have fairly died out, I have now the honor to submit the report regarding the measures taken to meet the outbreak of cattle-plague in this sub-division, called for in your memorandum No. 723, dated 20th June last, forwarding copies of the correspondence noted in the margin.

2. The outbreak commenced about the central portion of the Majuli. On hearing of it I visited the place, and in my letter No. 110 of the 30th March last informed you of the state of affairs, expressing a hope that the disease might be confined to the area then infected, and such I am glad to say has been the case. The steps taken to ensure this were, as I then stated, to impress upon the villagers beyond the infected area that if they let cattle diseased or not come to their villages from the infected ones, or let their own cattle go near them to graze, then they would to a certainty lose all their cows and buffaloes, and have only themselves to thank for it. The people of the villages where the plague was raging were also warned, that if they took their cattle to other places and spread disease, they would be prosecuted criminally, at the same time steps were taken to effectually close the ferries on the Brahmaputra and Loohit against cattle. One ferry man, who was detected in assisting to cross some buffaloes, was fined Rs. 50, and this had a good effect on the others. Stringent orders were passed about the burying of deceased carcasses, and the mouzahdars and munduls made responsible for having it done.

3. I found when in the Majuli that the ryots had no belief in medicine for their sick cattle, and therefore made no attempt to supply them with any, but contented myself with trying, through the measures above noticed, to confine the disease within limited area of its outbreak, and there let it wear itself out. The people themselves, with the effects of the great plague of 1869-70 before them, were less apathetic than usual, and really tried to keep disease away from their own herds. The situation of Majuli, too, was in favor of isolation, as with the ferries shut cattle could not be taken out of it to the main land, and after the first rise of the Brahmaputra it was even impossible for them to be driven across country from one village to another.

No. 266, dated Golaghat, the 19th July 1872.

From—CAPTAIN L. BLATHWAYT, Assistant Commissioner of Golaghat,

To—The Deputy Commissioner of Sibsaugor.

IN reply to your memorandum No. 837, dated 17th July, I have the honor to report as follows:

2. Early in March last cattle disease appeared in mouzah Kajeerunga, brought there I believe by one of the many droves of buffaloes which were about that time travelling up through the province of Assam; for at the end of the month, while in camp in the Majuli, I learnt from the villagers of Kokeela Chaporree mouzah that a drove of buffaloes had passed up a few days previously, and that several of them had died from what appeared to be the regular cattle disease.

3. The disease subsequently made its appearance in the mouzahs of Namdyang, Nahoronee, Jailamonee, Nikkoree, Dehmigea, Deorgaon, Atgaun, and the Nuggur Mehal, but up to the present time the total number of deaths reported is only 522, and this number includes a good many goats. During the whole month of June only 14 deaths were reported, and I think that the disease may now be considered as having ceased.

4. In this sub-division there cannot be less than a hundred thousand head of cattle, and supposing that the average duration of life among them was ten years (and I don't think it is more), ten thousand head of cattle would perish annually from natural causes. The statistics of the mortality among cattle are furnished by the mouzahdars, and they compile them from the reports of the villagers, and there is consequently a very strong probability that if in one village ten cattle die of rinderpest and ten of old age, accidents, sickness of an ordinary nature, &c., the whole twenty will appear in the mouzahdar's report as having perished by the former scourge.

5. But even supposing that every death reported was what it professed to be, still the cattle disease this year has been a mere flea-bite to what it was on the last occasion when the deaths were twenty times as numerous as now.

6. The precautions taken by me were—1*st*, I directed all mouzahdars to use their utmost endeavours to prevent cattle being taken from villages where the disease had shown itself to other villages which were free of it; 2*nd*, I gave positive injunctions to the lessees of the ferries on the Brahmaputra not to take over any droves of buffaloes until they had remained for several days at the ghât in a kind of quarantine without any signs of sickness being apparent; and whenever a drove of buffaloes or other cattle passed up near Golaghat, I used to picket the whole lot out on a piece of waste land far from any village, and keep them there for six or seven days, having them counted and inspected daily, and at the end of this period if no signs of disease were apparent, I allowed the drovers to proceed on their way, and although on six or seven occasions I detained cattle in the above manner, in no instance was any disease shown to be among them.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 17th August 1872.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.						
	Western Districts.	1872.				
BURDWAN DIVISION. 1	Burdwan ...	Aug. 20th*	2·95	Cloudy; rain general over the district in showers.	In Cutwa and up loop line prospects of crops good; no crops about sudder station; in other parts not favorable. Price of grain rising.	Public health bad. Fever and dengue prevalent.
2	Bancoorah ...	„ 17th	0·71	Generally cloudy; slight showers at the sudder station, but heavy showers in the east and south-east; also some rain in the north.	The rice crop is still in a very precarious state. In Bishenpore and parts of Onda transplanting has been tolerably successful, but on the average not more than a quarter of the crop is yet planted out. Other crops are good.	Health generally good. A few cases of cholera.
3	Beerbhoom ...	„ 17th	1·16	Much the same as last week. Often cloudy, but little rain. Complaints especially from the west and north.	In thannah Sacooleepur the whole of the lands are said to have been brought under crops, which is so far favorable. For the greater part of the district anxiety is felt.	
4	Midnapore ...	„ 17th	3·06	Heavy but partial rain has fallen at sudder station and Gurbetta; otherwise cloudy, with occasional but insufficient showers.	Where heavy rain has fallen the prospects have improved, but from other quarters rain is urgently looked for, and blight is announced in many quarters owing to drought. Only an 8-anna crop can be anticipated, taking the district as a whole.	
5	Hooghly ...	„ 17th	·53	Clear and sunny. Wednesday night drizzled for several hours; heavy dark clouds passed but no rain. There was a good shower of rain yesterday at Serampore sub-division.	Jute and sugarcane are an average crop, but there is no water for keeping the former. Some aus in Serampore thannah has been cut; the rest is spoiling for want of rain. Scarcely any amun has been planted out, and it will soon be too late. The seedlings are turning yellow. Prices are rising. Mahajuns are storing up-country grain.	
	Howrah ...	„ 17th	4·04	Cloudy; wind varying from east to south-east. Slight rain almost every day at and near Howrah; and in extreme west there has been more rain than elsewhere.	Aus dhan, sugarcane, and jute, doing fairly well. Transplanting of amun dhan progressing slowly in low lands, but the prospects of the amun crop generally are not favorable. It may yet be saved if heavy rain falls soon, otherwise it will be destroyed.	

* Telegram dated 20th received on the same day.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*) *Central Districts.*		1872.				
PRESIDENCY DIVISION. 6	24-Pergunnahs ...	Aug. 20th	4·57	Cloudy and warm, with frequent showers of rain. Mean temp. ... 84 Diren. of wind S. & E	The recent rains have decidedly improved the prospects of the crops. At Baroepore the insects which had been previously reported to have attacked the rice crop there are disappearing.	Dengue prevails all over the district, and intermittent fever has also made its appearance in many places.
7	Nuddea ...	„ 17th	1·18	Too dry to be seasonable.	Rain is still much wanted The state of the amun dhan is causing anxiety everywhere but in the north of the district. The cutting of the aus dhan has commenced; there is much local variation in the outturn. The spring indigo on the ground is still in a poor state. Transplanting of red pepper is completed; sugarcane very fair; jute not looking well.	
8	Jessore ...	„ 17th	2·86	Seasonable rain in most parts of the district. Rain still wanted in north-east and south of district.	Good. In some parts of Magoora and Bagirhat rain wanted for amun rice. Aus rice being reaped. Manufacture of indigo going on.	
RAJSHAHYE DIVISION. 9	Moorshedabad ...	„ 17th	0·26	The weather throughout the week has been showery, but not much rain has fallen.	The aus, mulberry, and jute crops are looking well, but the amun crop will be below the average, unless more rain falls speedily, as owing to the want of rain the ryots are unable to cultivate the high lands.	
10	Dinagepore ...	„ 17th	3·84	Rain general throughout the district.	All crops looking well; jute and bhadoi dhan being cut.	
11	Maldah ...	„ 17th	0·66	Cloudy; slight rain on four days of the week.	The bhadoi (early rice) will be shortly reaped; an average crop is expected. The amun (late rice) so far looks well, but more rain is needed.	Dengue decreasing, but many persons in English bazar suffering from the after effects A few fatal cases of cholera have also occurred.
12	Rajshahye ...	„ 17th	1·74	Clouds always about, but with breaks of clear sky and sunshine; breezes cool and pleasant, and sometimes strong. Local showers of rain heavy, but of short duration.	The indigo is now nearly all reaped, and the crop for this year has proved a particularly good one. The reaping has commenced, in parts, of the aus crop, which is below average owing to the small rainfall up to date. For the same reason the prospects of the amun and ropa crops are not favorable. Silk prospects on the other hand continue very good.	
13	Rungpore ...	„ 17th	7·60	Alternation of cloudy and fair weather.	All the crops getting on well.	
14	Bograh ...	„ 17th	0·78	Occasional drizzling rain; for the most part bright sunny days. Weather close.	The yield of the aus crop is much below the average of late years. Amun rice is suffering for want of rain, which has been scanty throughout the district. Three western thannahs had one day's good rain.	Fever prevails but not in an unusual degree.
15	Pubna ...	„ 17th	1·58	Cloudy, with some rain. The wind was from the east and south.	The rain has been of great benefit to the aus and the amun paddy. Jute is also in a favorable condition.	

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*)						
	Central Districts.—(*Contd.*)	1872.				
COOCH BEHAR DIVISION. 16	Darjeeling ...	Aug. 17th	7·75	Warm. For two days heavy rains.	Hills.—Sufficient rain has fallen. All the crops are now promising well. Terai.—Sufficient rain has fallen. The ryots are employed in transplanting heotee dhan. Bhadoi dhan has somewhat suffered. Pât is better this year. Rice still continues to be dear.	Cholera ceased; three or four doubtful cases only heard last week.
17	Julpigoree ...	„ 17th	6·49	Good heavy showers and cool.	Crops have been greatly benefited by the rain which has fallen. Rain in the sub-division of Fallacotta has been heavier than at head-quarters, and reports of crops in that part are favorable.	Cholera is less prevalent, but has not entirely abated.
	Cooch Behar ...	.....	.....	.....	.....	Return not received.
	Eastern Districts.					
DACCA DIVISION. 18	Dacca ...	„ 20th*	1·20	.....	Rivers slightly risen. Prospects of crops good and improving.	
19	Furreedpore ...	„ 17th	0·86	Drizzling rain three days in the week, accompanied by cloudy weather; strong and continuous sunshine during the remaining days. Weather sultry and close, with occasional gusts of wind.	The rice, jute, and sugar-cane crops are on the whole progressing favorably.	
20	Backergunge ...	„ 17th	1·90	Seasonable. There has been rain nearly every day, and the weather has been cool.	Good. The aus harvest has been commenced.	
21	Mymensing ...	„ 17th	2·20	Moderate rain on five days of the week; general throughout the district.	More rain is still wanted for the amun rice, especially in the south of the district. The crops are thus far doing well, and the prospect is good.	
22	Sylhet ...	„ 10th	3·19	Dry and close; very little rain this week. Max. temperature of week 89°. Minimum ditto 76°. Range ... 13°. Mean of highest readings ... 87·1°. Mean of lowest readings ... 78·1°. Approximate mean ... 82·6°.	Good. Chengri aus crop all but cut. Batai jangli, another description of aus, very coarse and inferior, is being cut. Sowings of the sail crop commenced. A little more rain would do good.	
23	Cachar ...	„ 10th	6·08	Cool and pleasant; mild rain.	The river has overflowed its banks between Sunai Mookh and Silchar; all the beels are very full. There is a flood north of the river, in mouzahs Kallain, Bikrampore, and the neighbourhood. No damage has as yet been done to the crops. The river began to fall slightly yesterday at noon.	

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*)						
Eastern Districts.—(*Contd.*)						
CHITTAGONG DIVISION.						
24	Chittagong ...	Aug. 10th	·79	Fine, with drizzling rain at intervals.	Aus crop is being harvested. The present state of weather is very favorable to the amun crop. Sugarcane good.	
25	Noakhally ...	„ 10th	2·93	Cloudy sky; very little rain; strong south and south-easterly wind.	The reaping of the aus crop has been nearly completed.	Much sickness in the town.
26	Tipperah ..	„ 17th	3·2	Bright weather, with plentiful showers and strong sea breeze from south-east. Weather delightful, but in Brahmunberiah there has been still no copious rain.	In home thannahs (two-thirds of district) all is favorable. Here and there wind and rain may have injured a small quantity of ripe early rice, but very little. In the sub-division jute and aus are both about 12-anna crops. The amun crop is safe, though the sparseness of the rainfall causes some alarm.	
27	Chittagong Hill Tracts	„ 10th	5·25	A heavy shower on 5th; no rain on 6th and 7th; weather is hot generally.	Crops are promising. The cotton and paddy generally flower. The aus paddy is being gathered. Indian corn is over.	
	Hill Tipperah ...	.....	.....	.....	.....	Return not received.
BEHAR.						
PATNA DIVISION.						
28	Patna ...	„ 20th*	1·70	.....	Bhadoi crops all that could be wished, but more rain wanted for the rice crop.	A great deal of sickness in the town, such as dengue and ordinary fever, also some cases of cholera, but not of an epidemic nature.
29	Gya ...	„ 17th	0·65	Stormy, but with little rain.	Bhadoi crops promising. Rice prospects fair.	
30	Shahabad ...	„ 17th	0·94	Cloudy and variable wind. Passing showers during the week. Thermometer. Maximum ... 93° Minimum ... 80° Barometer. Highest rdng. 29·600 Lowest rdng. 29·400	The prospects of the bhadoi and indigo crops are good. The aghani paddy crop has generally improved, especially in the south of the district, which has hitherto been in a backward condition from want of rain.	
31	Tirhoot ...	„ 17th	·77	Cloudy. Slight rain fell all over the district.	Rice and other crops are doing well. Bhadoi crop promising. Transplantation of rice seedlings is under progress. Indigo crops hopeful. Rain is wanted in several places.	
32	Sarun ...	„ 17th	2·74	East and west winds. Rain general throughout the district.	Bhadoi continues very promising. Transplantation of rice seedlings is going on. Second indigo crops hopeful. The manufacture of "marhun" (first cuttings of indigo) is being pushed on rapidly, and will be completed by the end of the month. The outturn has been very fair.	
33	Chumparun ...	„ 17th	2·70	Heavy rain on Sunday and Wednesday nights, pretty general.	Crops continue promising but more rain is required. Indigo second cuttings in progress. Transplantation of rice seedlings continuing.	

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BEHAR.—(*Contd.*)		1872.				
BHAGULPORE DIVISION.						
34	Monghyr ...	Aug. 17th	2·04	Bright weather, interrupted with smart showers.	The crop in almost all places north of the river very fine. The aghani rice in south of district is endangered for want of rain, but if it rains more during the next week, it will still be a good crop.	
35	Bhaugulpore ...	„ 20th*	2·50	Very heavy rain in many places, especially in the north.	More rain wanted for aghani rice, especially in parts of sudder and Banka sub-division. Transplanting of aghani is finished in many places. Bhadoi crops as a rule very superior, though damaged in some places in the neighbourhood of the Ganges, to the north especially, and in parts of the sudder sub-division. Prices falling again in the north.	General health very good Dengue spreading.
36	Purneah ...	„ 17th	3·61	Quite enough rain has been falling this week every where.	Bhadoi is being cut and the transplanting of the aghani nearly finished. Both crops good.	
37	*Sonthal Pergunnahs.* Rajmehal ...	„ 17th	·61	Very light showers. and hot bright sun.	Indian corn excellent, but about a fourth of the dhan yet to be planted out. Rain very scanty and insufficient.	
	Deoghur ...	„ 17th	2·28	Sultry with rains now and then. 3·20 rain at Jamtara sub-division.	Paddy is being transplanted still, but more rain is needed. Jenerah and other high-land crops are good.	
	Nya Doomka ...	„ 17th	2·87	Rainfall and state of weather at head-quarters very favorable; deficient rain in north and south.	Jenerah very promising everywhere. Dhan also favorable in the centre of the sub-division, but north and south a great deal of dhan has still to be planted out in consequence of deficient rainfall.	
	Godda ...	„ 17th	.....	Generally unfavorable. Hardly any rain during the week.	Decidedly gloomy. Crops suffering much from want of rain, particularly in the Moulhary and Patsanda pergunnahs.	
ORISSA.						
ORISSA DIVISION.						
38	Cuttack ...	„ 20th*	1·60	Seasonable.	Crops growing well, but there are general complaints that the rice is being damaged by insects.	
39	Pooree ...	„ 10th	2·90	Favorable; a heavy shower came opportunely on Monday.	Crops progressing favorably. Some damage done by a rise in the rivers before the breaches of the embankment had been quite repaired. Rice continues generally to be withheld from exportation. Pulses and coarse rice are dearer by about a third than they were this time last year.	
40	Balasore ...	„ 17th	1·68	Moderate rain nightly.	Crops progressing favorably	Dengue abating.
CHOTA NAGPORE.						
	South-West Frontier Agency.					
41	Hazareebaugh ...	„ 17th	0·45	Cool and pleasant, particularly the mornings and evenings.	The bhadoi crops are good indeed, but would be better for a little more rain. More than the half of the usual rice crops cannot be hoped for.	

* Telegram dated 20th received on the same day.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
CHOTA NAGPORE. (*Contd.*) *South-West Frontier Agency.* (*Contd.*)						
42	Lohardaggah ...	Aug. 17th	0·66	Cloudy, with very little rain. Unusually dry for this season.	For Chota Nagpore proper the prospects are still very fair though more rain is urgently required. In Palamow the prospects are not so favorable as last week, and transplanting has only been very partially carried out. Rain is anxiously looked for.	
43	Singbhoom ...	„ 0th	0·9	Seasonable.	Very favorable generally, but insufficient rain reported from some parts for karan, or second ploughing, so essential to dhan cultivation. The gondoli is being reaped, and teel and gorah dhan are reported most flourishing.	
44	Maunbhoom ..	„ 17th	0·97	Slight showers during the last two days of the week.	The crops in the uplands are promising well, and, if more rain falls, will give a good yield. A large quantity of the low rice lands have not been planted out, and the rice crops in those that have, are suffering for want of rain. If rain in sufficient quantities does not soon fall, scarcity may be expected.	
ASSAM AND ADJACENT HILLS.						
45	Goalparah ...	„ 10th	5·14	Cloudy and cool, showers of rain almost daily throughout the week, and occasional sunshine. This weather was general throughout the district.	The rains have benefited winter crops. Transplanting seedlings continues. Sugarcane and jute progressing well. Prospects on the whole fair.	
46	Kamroop ...	„ 19th*	6·15	Rained almost every day during the week; the weather in the intervals was gloomy and hot.	A full aus crop has been gathered in. Prospects of tea, cotton, and sugarcane, favorable. Shalee dhan is being transplanted and promises well.	Public health good.
47	Durrung ..	„ 10th	6·37	Changeable ...	Good reports on all hands. The rain has done good.	
48	Nowgong ..	„ 10th	10·69	Weather seasonable. Heavy rain at nights prevalent throughout the district.	Crops doing well. Tea doing well.	
49	Seebsaugor ..	„ 10th	5·21	Cloudy, with frequent showers of rain, but the fall has not been so abundant throughout the district.	Rice-planting goes on; and owing to the late fall of rain the prospects of the crops have improved Tea doing well.	
50	Luckimpore ..	„ 10th	2·48	First three days of the week hot and sultry; continuous drizzling rain for the last four days. Thermometer. Maximum ... 93° Minimum ... 78°	The kotia now nearly all planted out; weather very favorable for the crops. Report from North Luckimpore subdivision gives—weather cloudy and sultry, with not much rain. Crops not materially affected, and rain promises to fall.	
51	Naga Hills ..	„ 3rd	1·67	Very little rain any where.	Much the same as last week.	
52	Khasi and Jynteah Hills.	„ 10th	0·55	There have been showers of rain daily, but on the whole the weather has been fine.	Prospects of the rice crops continue to be favorable, and other cereals are also doing well. The Indian-corn has nearly all been housed.	
53	Garo Hills ...	„ 10th	2·13	Showery, with some fine hot weather. Very heavy rain on the 10th, which however soon passed off.	There is nothing particular to remark on the state of the crops since last report.	

* Telegram dated 19th received on the 20th.

Published for general information.

CALCUTTA,
The 20th August 1872.

J. WARE EDGAR,

Weekly Rainfall Report compiled at the Meteorological Office.

Divisions.	Districts.	Stations.	Rain from 29th July to 3rd Aug. 1872.	Rain from 4th to 10th Aug. 1872.	Rain from 1st January 1872. Inches.	Rain from 1st January 1872. Up to date.	Remarks.
BENGAL.			Inches.	Inches.			
	Western Districts.						
Burdwan.	Burdwan ...	Burdwan	1·20	1·93	21·99	10th Aug. 1872.	
		Cutwa	5·03	0·76	32·21	ditto.	
		Culna	Not received	0·55	22·34	ditto ...	Not received 29th July to 3rd August.
		Bood-Bood	3·71	1·12	22·46	ditto.	
		Raneegunge	1·33	0·52	23·85	ditto.	
		Jehanabad	Not received	0·62	31·32	ditto ...	ditto.
	Bancoorah ...	Bancoorah ..	1·49	1·55	19·67	ditto.	
	Beerbhoom ...	Sooree	4·19	0·96	28·60	ditto.	
	Midnapore ...	Midnapore	1·90	0·91	24·88	ditto.	
		Tumlook	0·65	0·48	22·88	ditto.	
		Gurbetta	1·66	0·44	20·23	ditto.	
		Contai { Dy. Collr.'s Office..	0·64	0·53	23·27	ditto.	
		Contai { Exc. Engr.'s Office...	0.40	0·40	26·50	ditto.	
	Hooghly ...	Hooghly	1·46	0·74	27·46	ditto.	
		Serampore	3·00	0·78	30·87	ditto.	
	Howrah ...	Howrah	1·25	1·60	24·22	ditto.	
	Central Districts.						
Presidency.	24-Pergunnahs ...	Saugor Island	2.10	1·00	32·12	ditto.	
		Calcutta . ..	1·11	2·49	24·96	ditto.	
		Alipore { Dispensary ...	1·14	2·43	24·26	ditto.	
		Alipore { Jail	1·06	3·29	25·09	ditto.	
		Busseerhaut	Not received	0·98	31·19	ditto ...	ditto.
		Baraset	ditto	1·29	24·02	ditto ...	ditto.
		Diamond Harbour	0·85	1·12	30·60	ditto.	
		Barripore	Not received	2·61	22·97	ditto ...	ditto.
		Satkherah	ditto	0·76	29·02	ditto ...	ditto.
		Barrackpore	4·87	0·83	35·87	ditto.	
	Nuddea ...	Dum-Dum	Not received	Not received	32·00	28th July 1872.	
		Krishnaghur	2·32	0·71	24·45	10th Aug 1872.	
		Bongong	5·11	1·50	25·18	ditto.	
		Meherpore	6·82	0·37	26·15	ditto.	
		Chooadangah	3·85	0·80	26·40	ditto.	
		Kooshtea	2·95	0·32	27·12	ditto.	
		Ranaghat	1·65	0·33	29·25	ditto.	
	Jessore ...	Jessore	4·71	1·93	45·21	ditto.	
		Nurail	5·05	0·84	39·16	ditto.	
		Khoolneah	2·45	2·15	35·76	ditto.	
		Jenidah	Not received	1·38	32·29	ditto ...	Not received 22nd July to 3rd Aug
		Bagirhaut	1·80	0·32	35·93	ditto.	
		Magoorah	3·94	0·42	28·38	ditto.	
	Moorshedabad ...	Berhampore	6·23	0·95	35·29	ditto.	
		Jamooakandi	Not received	0·99	19·33	ditto ...	Not received 29th July to 3rd Aug.
		City Moorshedabad	6·56	0·24	30·33	ditto.	ditto.
		Jungipore	Not received	2·06	31·09	ditto ...	From 1st Feb.
		Azimgunge	4·37	0·35	7·93	ditto ..	
Rajshahye.	Dinagepore ..	Dinagepore	6·65	3·38	44·15	ditto.	
	Maldah ...	Maldah	2·78	0·87	32·13	ditto.	
	Rajshahye ...	Beauleah	3·85	0·45	25·10	ditto.	
		Nattore	2·19	0·30	26·01	ditto.	
	Rungpore ...	Rungpore	11·00	2·40	50·54	ditto.	
		Bhowanigunge	12·79	1·61	52·59	ditto.	
		Titalya	6·50	3·10	64·86	ditto.	
	Bograh ...	Bograh	5·72	0·30	42·87	ditto.	
	Pubna ...	Pubna	2·67	0·50	30·06	ditto.	
		Seraigunge	2·95	0·48	37·33	ditto.	
Cooch Behar.	Darjeeling ...	Darjeeling { Telegraph Office	Not received	Not received	57·55	15th July 1872.	
		Darjeeling { Hospital ...	4·83	1·78	62·40	10th Aug. 1872	
		Runghee	Not received	Not received	47·13	30th June 1872.	
	Julpigoree ...	Julpigoree	2·77	ditto	67·69	3rd Aug. 1872.	
		Boda	1·31	6·75	21·88	10th Aug. 1872	
	Cooch Behar Tributary States ...	Cooch Behar	5·69	15·51	97·05	ditto.	
	Bhûtan Dooars ...	Buxa	5·66	5·46	119·58	ditto.	
	Eastern Districts.						
Dacca.	Dacca ...	Dacca { Telegraph Office ...	5·24	0·58	48·26	ditto.	
		Dacca { Hospital	3·50	0·20	42·20	ditto.	
		Moonshegunge	7·09	Not received	28·32	3rd Aug 1872	From 10th June.
		Manickgunge ...	3·09	0·21	9·77	10th Aug. 1872	From 15th July.
	Furreedpore ...	Furreedpore	5·08	1·01	30·55	ditto.	
		Goalundo	4·19	0·48	35·27	ditto.	
	Backergunge ...	Burrisaul	5·25	2·07	54·58	ditto.	
		Perozepore	4·05	2·05	42·07	ditto.	
		Madaripore	4·35	1·88	55·40	ditto.	
		Patooakhally ...	8·38	1·52	50·02	ditto ...	From 13th May.
		Dowlat Khan	6·44	1·31	54·16	ditto.	
	Mymensing ...	Mymensing	4·34	0·36	46·04	ditto.	
		Jamalpore	12·70	1·20	51·08	ditto.	
		Atteah	2·62	0·36	30·91	ditto.	
		Kishoregunge	9·11	1·59	59·05	ditto.	
	Sylhet ...	Sylhet	11·35	1·79	145·16	ditto.	
	Cachar ...	Cachar	5·21	5·65	78·63	ditto ..	Not received 22nd to 28th July.
		Hylakandy	3·16	Not received	79·08	3rd Aug. 1872.	
		Koyah	1·66	ditto	83·29	ditto ...	Not received 8th to 14th July.
Chittagong.	Chittagong ...	Chittagong { Telegraph Office	11·00	1.00	62·80	10th Aug. 1872	
		Chittagong { Jail ...	Not received	Not received	48·06	28th July 1872	
		Cox's Bazar	7·66	ditto	85·67	3rd Aug. 1872.	
	Noakhally ...	Noakhally	7·73	2·92	66·44	10th Aug. 1872.	
	Tipperah ...	Comillah	7·35	2·04	54·26	ditto.	
		Brahmanbariah ...	3·05	1·64	38·61	ditto.	
	Chittagong Hill Tracts ...	Rungamuteer Hill	9·36	4·85	70·47	ditto.	

Divisions.	Districts.	Stations.	Rain from 29th July to 3rd Aug. 1872.	Rain from 4th to 10th Aug. 1872.	Rain from 1st January 1872. Inches.	Rain from 1st January 1872. Up to date.	Remarks.
BEHAR.			Inches.	Inches.			
Patna.	Patna ...	Patna	2·99	Nil	19·14	10th Aug. 1872	
		Behar	4·26	1·50	22·91	ditto.	
		Barh	5·33	0·12	17·23	ditto.	
		Dinapore { Jail ...	2·53	Nil	14·76	ditto.	
		Dinapore { Cantonment ...	5·97	ditto	22·49	ditto.	
	Gya ...	Gya	4·31	1·57	22·65	ditto.	
		Nowadah	4·43	Nil	20·91	ditto.	
		Aurungabad	5·61	0·29	21·92	ditto.	
		Sherghotty	7·74	2·11	27·71	ditto.	
	Shahabad ...	Arrah	2·18	0·22	21·57	ditto.	
		Sasseram	6·27	1·03	20·56	ditto.	
		Buxar	2·60	0·85	20·06	ditto.	
		Bhuboorah	3·72	1·73	26·88	ditto.	
	Tirhoot ...	Mozufferpore	4·30	0·90	29·64	ditto.	
		Durbhungah	8·82	0·07	23·52	ditto.	
		Hajipore	4·59	Not received	19·62	3rd Aug. 1872	
		Mudhubani	5·04	ditto	29·12	ditto.	
		Seetamaree	3·10	ditto	37·35	ditto.	
		Tajpore	3·00	ditto	25·31	ditto.	
	Sarun ...	Chuprah	3·81	0·16	21·28	10th Aug. 1872.	
		Sewan	3·22	Not received	30·34	3rd Aug. 1872.	
	Chumparun ...	Motechari	7·81	3·10	33·35	10th Aug 1872	
		Bettiah	1·50	3·10	29·15	ditto.	
Bhaugulpore.	Monghyr ...	Monghyr	3·33	0·08	17·83	ditto.	
		Begooserai	4·86	0·06	22·80	ditto.	
		Jamoore	4·78	0·56	18·51	ditto ...	Not recorded 29th Jany. to 3rd Feb.
	Bhangulpore ...	Bhangulpore	1·83	0·14	17·26	ditto.	
		Soopool	Not received	Not received	24·23	28th July 1872.	
		Mudheypoorah	2·70	ditto	21·27	3rd Aug. 1872.	
		Banka	3·01	ditto	26·03	ditto.	
	Purneah ...	Purneah	3·75	0·17	36·60	10th Aug. 1872	
		Kishengunge	3·91	7·28	49·91	ditto.	
		Arrareah	8·30	1·10	37·02	ditto ...	Not recorded 22nd to 28th Jany., and not received 22nd to 28th July.
	Sonthal Pergunnahs	Deoghur	0·89	0·22	15·40	ditto.	
		Jamtera	3·90	0·50	27·52	ditto.	
		Rajmehal	1·40	Nil	16·02	ditto.	
		Pakour	1·49	0·03	23·39	ditto.	
		Nya-Doomka	5·43	2·41	30·91	ditto.	
ORISSA.							
Orissa.	Cuttack ...	Cuttack { Telegraph Office ...	1·50	0·60	33·80	ditto.	
		Cuttack { Hospital ...	1·67	3·01	38·28	ditto.	
		Jajipore	1·20	0·80	38·22	ditto.	
		Kendraparah	0·40	1·40	36·95	ditto.	
		Jugutsingpore	0·30	0·80	40·60	ditto.	
		False Point	0·90	Not received	58·21	3rd Aug. 1872.	
	Pooree ...	Pooree	1·05	2·93	36·51	10th Aug. 1872	
		Khoordah	1·43	5·65	38·47	ditto ...	Not received 15th to 21st July.
	Balasore ...	Balasore	4·63	1·56	37·94	ditto.	
		Bhudruck	4·56	1·81	44·08	ditto.	
	Cuttack Tributary Mehals ...	Sumbulpore	Not received	Not received	28·08	21st July 1872	
CHOTA NAGPORE.							
	South-Western Frontier Agency.						
	Hazareebaugh ...	Hazareebaugh { Jail ...	5·08	0·45	18·22	10th Aug. 1872.	
		Hazareebaugh { Dispensary ...	5·20	0·61	20·17	ditto.	
		Puchumba	5·49	0·12	20·03	ditto.	
	Lohardunggah ...	Ranchee	2·02	2·03	29·28	ditto.	
		Palamow	3·43	2·44	16·18	ditto.	
	Singbhoom ...	Chyebassa	3·60	0·67	27·47	ditto.	
	Manbhoom ...	Purulia	2·03	0·18	27·58	ditto.	
		Gobindpore	4·15	Nil	27·63	ditto.	
ASSAM AND ADJACENT HILLS.							
	Goalparah ...	Goalparah	4·15	Not received	64·63	3rd Aug. 1872.	
		Dhoobree	4·10	2·10	81·39	10th Aug. 1872.	
	Kamroop ...	Gowhatty	3·83	1·20	47·14	ditto.	
		Burpettah	5·20	5·90	77·98	ditto ...	Not received 8th to 28th July.
	Durrung ...	Tezpore	0·62	Not received	23·27	3rd Aug. 1872.	Not received 22nd to 28th July 1872.
		Mungledye	Not received	ditto	42·05	28th July 1872.	
	Nowgong ...	Nowgong	5·38	ditto	95·21	3rd Aug. 1872.	
	Seebsagor ...	Seebsagor	1·46	ditto	60·79	ditto.	
		Golaghat	0·24	ditto	35·36	ditto.	
		Jorehaut	0·40	ditto	47·40	ditto.	
		Nazeerah	1·45	ditto	52·38	ditto.	
	Luckimpore ...	Debrooghur	6·60	ditto	67·93	ditto ...	Not received 8th to 14th July.
		Suddya	Not received	ditto	48·55	28th July 1872	Not received 1st to 7th July.
	Naga Hills ...	Samoogoodting	0·94	ditto	28·43	3rd Aug. 1872.	
	Khasi and Jynteah Hills.	Shillong	7·86	ditto	44·41	ditto.	
		Jaowai	12·50	ditto	86·07	ditto.	
		Cherrapoonjee	40·74	15·79	332·22	10th Aug. 1872.	
	Garo Hills ...	Tura	8·58	2·13	66·40	ditto.	
		Benares	2·40	1·35	21·40	ditto.	
		Akyab .. .	5·10	4·50	114·10	ditto.	

CALCUTTA,
The 17th August 1872.

W. G. WILLSON,
Offg. Meteorological Reporter to the Govt. of Bengal.

Meteorological Telegraphic Report for the period 11th to 17th August 1872.

Stations.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	Thermometer. Dry.	Thermometer. Wet.	Humidity Sat. =100.	Wind. Direction.	Wind. Velocity.	Rain.	Clouds.	Weather initials.
	Aug.											
Calcutta.	11th,	10	29·641	29·659	84·8	82·0	87	S by W	...	0·06	CK, S	
		16	29·535	29·553	86·5	82·5	83	S by E	...	...	S	
	12th	10	29·629	29·647	84·0	82·0	91	S by W	...	0·03	S	
		16	29·545	29·563	86·0	83·0	87	S by E	...	...	S	
	13th	10	29·657	29·675	81·5	80·0	93	S	...	0·35	.....	o, scuds
		16	29·557	29·575	84·0	80·0	83	S	...	..	K, CK	
	14th	10	29·646	29·664	83·1	79·5	85	S W	...	0·33	C, CK	
		16	29·547	29·565	83·0	80·5	89	S	...	0·26	S, N	
	15th	10	29·593	29·611	83·0	79·8	87	S	...	4·00	C, K	
		16	29·493	29·511	84·0	80·5	85	S by E	...	0·03	K	
	16th	10	29·569	29·587	82·5	80·0	89	S	...	0·21	K	
		16	29·487	29·505	84·2	80·7	85	S S W	...	...	K	
	17th	10	29·634	29·562	86·0	81·1	79	S W	...	...	K	
		16	29·550	29·568	87·5	82·0	78	S S W	...	...	C, K	
Saugor Island.	11th	10	29·645	29·651	88	83	80	S S W	3·3	...	N	o
		16	29·549	29·555	86	81	79	S S W	5·6	...	N	o, scuds
	12th	10	29·653	29·659	85	81	83	S W	5·4	...	N	o, scuds
		16	29·561	29·567	87	82	79	S S W	2·7	...	N	
	13th	10	29·661	29·667	82	79	87	S W	11·3	0·60	N	o, r, u
		16	29·561	29·567	84	80	83	S	9·5	0·10	N	o, v, scuds
	14th	10	29·659	29·665	83	81	91	W S W	7·3	0·70	N	o, v, u
		16	29·561	29·567	84	80	83	S W	6·8	...	N	o, u
	15th	10	29·607	29·613	80	78	91	S W	6·5	2·40	N	o, r, scuds
		16	29·509	29·515	82	79	87	S W	7·1	1·00	N	d, o, scuds
	16th	10	29·580	29·586	84	80	83	W S W	15·1	0·40	N	o, v, scuds
		16	29·512	29·518	86	80	75	S S W	14·7	...	N	b, scuds
	17th	10	29·664	29·670	88	82	76	W S W	9·9	...	N	b
		16	29·580	29·586	88	81	72	S W	16·1	...	N	b, u
Chittagong.	11th	10	29·631	29·723	85	81	83	S E	4·7	0·10	K, KS	b, v
		16	29·524	29·616	83	80	87	S E	13·3	...	KS	u, g
	12th	10	29·654	29·747	78	77	95	S E	6·3	0·70	KS	v
		16	29·554	29·646	85	80	79	S	8·3	...	K, C	b
	13th	10	29·673	29·766	79	77	90	E S E	7·2	0·30	N	d, u
		16	29·574	29·667	78	77	95	S W	11·0	0·20	KS	u
	14th	10	29·671	29·764	80	77	86	S	8·1	0·20	KS, K	v
		16	29·554	29·646	84	79	79	S	15·9	...	K, KS, CK	b
	15th	10	29·598	29·690	84	78	75	S E	9·4	0·20	CK, K	b, v
		16	29·494	29·586	84	79	79	S	11·0	0·20	K, KS	u
	16th	10	29·598	29·691	82	78	82	S	8·3	0·20	K, KS	p
		16	29·519	29·612	82	78	82	S W	12·4	0·20	KS, K	p
	17th	10	29·644	29·737	81	78	86	E S E	7·7	0·20	KS, K	p, u
		16	29·556	29·649	84	79	79	S E	10·9	...	C, K, CK	b
Madras.	11th	10	29·869	29·839	80	75	78	S S W	9	0·20	.....	cloudy
		16	29·683	29·713	84	75	64	S W by W	6	...	.....	cloudy
	12th	10	29·786	29·816	81	76	78	S W by W	7	0·02	.....	o
		16	29·688	29·718	84	76	67	W S W	5	...	.....	cloudy
	13th	10	29·809	29·839	85	76	64	S W	10	...	.....	bc
		16	29·685	29·715	85	78	71	S S E	14	...	.....	bc
	14th	10	29·842	29·872	85	75	60	S W	10	0·01	.....	c
		16	29·721	29·751	88	77	58	S W	5	...	.....	cloudy
	15th	10	29·819	29·849	83	76	71	S W	9	0·80	.....	cloudy
		16	29·675	29·705	91	77	50	S W by W	8	...	.....	c
	16th	10	29·767	29·797	86	75	57	W	10	...	.....	c
		16	29·650	29·680	91	77	50	W S W	8	...	.....	m
	17th	10										
		16										
Cuttack.	11th	10	29·566	29·848	87	81	76	S S W	2·2	...	.....	fair
		16	29·500	29·582	84	81	87	S	3·2	...	C, N	cloudy
	12th	10	29·569	29·651	85	82	87	S W	3·2	...	.....	u, cloudy
		16	29·497	29·579	85	81	83	E	2·3	...	K, N	cloudy
	13th	10	29·604	29·687	82	79	87	S W	2·6	...	N	cloudy
		16	29·523	29·605	84	80	83	S W	3·7	...	C, N	cloudy
	14th	10	29·624	29·706	83	79	83	S W	3·6	1·30	N, KS	o
		16	29·512	29·594	83	79	83	S W	4·5	...	.....	g
	15th	10	29·587	29·670	80	78	91	N W	3·6	0·10	N	d
		16	29·493	29·576	78	75	86	S W	7·0	..	C, N	
	16th	10	29·543	29·626	79	77	90	S S W	3·0	0·50	N	cloudy
		16	29·468	29·551	82	78	82	S S W	5·7	...	CK, N	o, d
	17th	10										cloudy
		16										
Akyab.	11th	10	29·725	29·747	80	78	91	S S W	0·1	...	.....	d
		16	29·623	29·645	81	78	86	S S W	0·8	0·50	.....	b
	12th	10	29·743	29·765	80	77	86	S W	0·2	...	.....	d
		16	29·656	29·678	79	77	90	S E	0·5	1·40	.....	b
	13th	10	29·790	29·812	77	76	95	S W	0·2	...	.....	d
		16	29·695	29·717	79	77	90	S	3·8	3·00	.....	g d
	14th	10	29·792	29·814	81	78	86	S	1·2	...	.....	g, d
		16	29·690	29·712	80	78	91	S S W	1·6	1·10	.....	g
	15th	10	29.705	29·726	83	80	87	S	1·2	...	.....	g
		16	29·625	29·646	83	79	83	S	4·3	1·00	.....	g
	16th	10	29·690	29·711	83	80	87	W S W	0·3	...	.....	b
		16	29·643	29·665	78	77	95	W S W	1·3	0·50	.....	r
	17th	10	29·763	29·785	81	78	86	E	0·4	...	.....	g
		16	29·660	29·682	81	78	86	S S W	0·3	...		g

Velocity of wind in miles per hour.

CALCUTTA,
The 17th August 1872.

W. G. WILLSON,
Offg. Meteorological Reporter to the Government of Bengal.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 8th to 14th August 1872.

Month.	Date.	Mean reduced barometer.	Thermometer. Highest reading.	Thermometer. Lowest reading.	Thermometer. Max. solar radiation.	Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	Wind. Prevailing direction.	Wind. Max. pressure.	Wind. Daily velocity.	Rain.	Moon's phases.	General Remarks.
		Inches.	°	°	°	°	°	°			lb.	Miles.	In.		
August	8th	29·601	88·0	79·5	130·5	82·8	80·8	79·4	0·90	S, S S W & S by W	...	153·2	0·51	...	Clear, overcast, and cumuli. Slight rain at 4½, 6, 7½, 9½, 10½ A.M., 2½ and 5½ P.M.
	9th	·621	89·3	80·8	139·6	83·7	81·3	79·6	·88	S by W & S	1·2	146·5	0·22	...	Clear and cumuli. Slight rain at 10½, 11½ A.M., 2 and 3½ P.M.
	10th	·618	88·5	80·5	140·8	83·1	80·9	79·4	·89	S & S by W	...	92·7	0·26	...	Cumuli cumuloni and cirri. Thunder between 3 & 4 P.M. Slight rain at 1½, 3½ to 4½ and at 6½ P.M.
	11th	·591	88·7	80·7	146·5	83·6	81·3	79·7	·88	S by W & S S W	...	62·9	0·03	...	Cirrostrati, cirrocumuli and stratoni. Thunder and Lightning at 7½ P.M. Light rain at 6½ A.M., 7 and 8 P.M.
	12th	·587	86·5	81·9	130·0	83·5	81·5	80·1	·90	S by W & S	...	72·2	...	☽	Stratoni and cirri. Drizzled at 11 A.M. and 1 P.M.
	13th	·596	84·0	78·3	105·0	81·6	79·5	78·5	·91	S	...	115·2	0·35	...	Chiefly overcast. Slight rain from 1½ to 8 and at 10½ A.M.
	14th	·601	87·2	77·9	137·2	81·3	79·4	78·1	·90	S	0·4	107·7	2·42	...	Stratoni, overcast, and cirrocumuli. Thunder between 2 & 3 P.M. Rain after intervals.

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants. The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity. The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches above the level of the ground. The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

		°
The extreme variation of temperature during the past seven days	...	11·4
The max. temperature during the past seven days	...	89·3
The max. temperature during the corresponding period of the past year	...	91·3
The mean humidity during the past seven days	...	0·89
The mean humidity during the corresponding period of the past year	...	0·89
		Inches.
The total fall of rain from 8th to 14th ... by lower rain gauge	...	3·79
The total fall of rain from 8th to 14th ... by anemometer gauge	...	3·65
Ditto ditto ditto average of eighteen previous years	...	3·15
Ditto ditto between the 1st January and the 14th August	...	27·82
Ditto ditto ditto ditto, average of eighteen previous years	...	45·44

GOPEENAUTH SEN,
In charge of the Observatory.

The 17th August 1872.

Public Works Department,—Bengal.

GENERAL ESTABLISHMENT.—No. 282.—*The 5th August* 1872.

***Statement showing heights over mean sea level and low water on Rivers Ganges and Bhagirutty during the month of July* 1872.**

Date.	Miles	River Ganges.														River Bhagirutty.			
		Benares.		Buxar.		Dinapore.		Monghyr.		Sahibgunge.		Rampore Beauleah.		Goalundo.		Berhampore.		Kishnaghur.	
				90.		177.	87.	287.	110.	381.	94.	471.	90.	561.	120.			70.	
	Distance.			From Benares.		From Benares	From Buxar.	From Benares	From Dinapore.	From Benares.	From Monghyr.	From Benares.	From Sahibgunge.	From Benares.	From Rampore Beauleah.			From Berhampore.	
		Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.	Height over low water.	Height over mean sea level.
1st ...	...	7·0	203·50	8·4	174·32	11·6	151·50	9·4	111·18	10·50	78·50	9·9	51·75	17·83	26·77	12·10½	45·28	3·10½	12·67
2nd ...	...	9·0	205·50	8·10	174·82	11·7	151·58	11·1	112·13	10·84	78·84	10·0	52·00	17·75	26·69	13·1	45·18	4·8½	13·49
3rd ...	...	12·6	209·00	10·1	177·07	11·10	151·84	11·10	113·18	12·00	80·00	13·3½	52·29	17·0	26·14	13·4	45·73	4·10	13·62
4th ...	...	14·2	210·03	13·10	179·84	12·8	152·66	12·4	114·18	12·63	80·63	11·0	53·06	17·16	26·10	13·11	46·32	4·10½	13·67
5th ...	...	14·11	211·42	15·10	180·84	13·3	153·25	13·7	115·13	13·33	81·33	11·9	53·75	17·0	25·94	14·10	47·21	5·2½	13·99
6th ...	...	15·2	211·03	16·4	182·33	13·9	153·75	13·10	115·83	14·16	82·16	12·3	51·25	17·25	26·19	15·9	48·15	5·6½	14·33
7th ...	...	0	0	16·7	182·58	14·10	154·81	14·4	116·18	14·75	82·75	13·[illegible]	55·[illegible]4	17·50	26·41	16·3	48·65	6·4½	15·16
8th ...	...	18·0	214·50	16·10	182·84	15·5½	155·41	15·3	117·10	15·15	83·15	13·9	55·75	17·84	26·77	16·9	49·15	7·3	16·04
9th ...	...	21·3	217·75	16·9	183·67	17·6	157·50	16·4	117·33	16·08	84·08	14·[illegible]	56·25	18·33	27·27	17·4	49·73	8·0	16·79
10th ...	...	22·0	218·50	22·2	188·66	18·11	158·92	17·9	119·00	17·25	85·25	14·9	56·75	18·58	27·52	18·1½	50·16	9·0½	17·83
11th ...	...	23·0	219·50	23·0	189·49	19·7½	159·92	19·5	121·25	18·50	86·50	15·8	57·66	18·92	27·86	19·0	51·19	10·1	18·87
12th ...	...	20·0	216·50	22·10	188·82	19·6	159·50	19·11	121·77	19·50	87·50	16·9	58·75	19·25	28·19	19·10	52·23	11·2	19·95
13th ...	...	21·3	217·50	22·4	188·00	18·9	158·75	20·9	121·85	20·00	88·00	17·0	59·75	19·33	28·27	20·3	52·19	12·2	20·95
14th ...	...	0	0	21·7	187·57	17·10	157·84	19·3	121·10	19·84	87·84	18·9	60·75	19·25	28·19	20·11½	53·36	13·3½	22·10
15th ...	...	18·6	215·00	20·8	186·62	17·1	157·07	18·5	120·27	19·12	87·12	18·3	60·25	19·25	28·19	20·0	53·19	14·1½	22·91
16th ...	...	17·0	213·50	19·4	185·32	16·7	156·58	17·7	119·1	18·[illegible]1	86·91	18·3	60·[illegible]	19·0	28·44	20·11	53·32	14·9	23·54
17th ...	...	15·8	212·16	18·5	184·46	15·11	155·92	17·0	118·[illegible]5	17·24	86·24	17·11	59·92	18·92	27·86	20·8	53·[illegible]6	15·1	23·87
18th ...	...	14·11	211·12	17·6	183·18	15·8	155·66	16·4	118·18	17·83	85·23	17·7	59·58	18·75	27·69	20·5½	52·86	15·1	23·87
19th ...	...	14·3	210·75	16·10	182·82	15·2½	155·20	15·11½	117·84	17·25	85·25	17·1	59·08	18·66	27·60	20·1	52·18	14·11½	23·69
20th ...	...	13·7	210·00	16·2	182·15	15·3	155·25	15·6	117·35	16·84	84·84	16·8	58·33	18·50	27·44	19·8½	52·10	14·7	23·37
21st ...	...	0	0	15·8	181·65	15·3	155·25	15·5½	117·31	16·58	84·58	16·7	58·58	18·50	27·44	19·5	51·82	14·3	23·04
22nd ...	...	12·10	209·34	15·3	181·23	15·4	155·33	15·6	117·35	16·50	84·50	16·1	58·08	18·25	27·19	19·2	51·10	14·0	22·79
23rd ...	...	13·0	209·50	14·10	180·82	15·3½	155·29	15·6	117·35	16·42	84·42	15·11	57·92	18·00	26·94	19·0½	51·12	13·6½	22·35
24th ...	...	14·2	210·03	15·3	181·25	14·11	154·92	15·5	117·26	16·42	84·42	15·8	57·66	18·00	26·94	18·10	51·24	13·2½	22·05
25th ...	...	15·4	211·83	16·2	182·16	14·11	154·92	15·3	117·10	16·25	84·25	15·8	57·66	18·00	26·94	18·9½	51·19	13·1	21·87
26th ...	...	16·4	212·83	17·0	182·98	15·2	155·17	15·1	116·93	16·16	84·16	15·7	57·58	17·70	26·64	18·8½	51·10	12·11	21·71
27th ...	...	16·6	213·00	17·7	183·57	15·6	155·50	15·3	117·10	16·08	84·08	15·6	57·50	17·50	26·44	18·7½	51·02	12·8	21·45
28th ...	...	0	0	18·3	184·24	15·10	155·84	15·7	117·43	16·25	84·25	15·7	57·58	17·25	26·19	18·7	50·98	12·6½	21·33
29th ...	...	25·6	222·00	22·9	188·74	18·2	158·17	16·2	118·11	16·58	84·58	15·5½	57·46	17·16	26·10	18·7	50·98	12·6½	21·33
30th ...	...	28·0	224·50	26·11	192·90	20·11	160·92	18·5	120·26	17·25	85·25	15·9	57·75	17·16	26·10	18·10½	51·27	12·6½	21·33
31st ...	...	29·0	225·50	28·2	194·16	22·9	162·75	21·5	123·26	19·50	87·50	16·6½	58·54	17·16	26·10	19·7½	52·02	12·10¾	21·67

H. LEONARD, C.E.,
Offg. Secy. to the Govt. of Bengal, P. W. D.

Weekly Return of Traffic Receipts on Indian Railways.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 7th August 1872, on 27¼ miles open.

	Coaching Traffic.			Merchandise and Mineral Traffic.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week	1,155	810 0 0	81 0 0	3,390 0	280 0 0	28 0 0	109 0 0
Or per mile of railway	42	30 0 0	3 0 0	124 0	10 0 0	1 0 0	4 0 0
For previous weeks of half-year	.....	.....	..	.....	.....	.....	.....
Total for weeks.	1,155	810 0 0	81 0 0	3,390 0	280 0 0	28 0 0	109 0 0
Comparison.							
Total for corresponding week of previous year	....	....	....	....	....	....	....
Per mile of railway corresponding week of previous year	....	....	....	....	....	....	....
Total to corresponding date of previous year	....	....	....	....	....	....	....

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 10th August 1872, on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week	3,430¼	627 15 9	69 15 11	11,990 0	480 4 6	48 0 7	117 16 6
Or per mile of railway ...	140	24 14 10	2 5 10	535 0	17 2 5	1 14 4	4 4 2
For previous five weeks of half-year	19,600	3,412 1 0	341 4 1	67,597 20	2,063 12 0	206 7 6	547 11 7
Total for six weeks	23,530¼	4,110 0 9	411 0 0	82,587 20	2,544 0 6	254 8 1	665 8 1
Comparison.							
Total for corresponding week of previous year	3,648¼	716 10 6	71 13 4	7,120 0	230 1 0	23 0 1	94 13 5
Per mile of railway corresponding week of previous year	130	25 9 6	2 11 2	254 11	8 3 6	0 16 5	3 7 2
Total to corresponding date of previous year	13,862	2,298 6 9	229 16 11	24,238 10	789 2 0	78 18 3	308 15 7

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 10th August 1872, on 1,280 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	86,365	1,11,781 10 1	10,246 13 0	347,539 20	1,87,969 7 8	17,230 10 8	27,477 3 8
Or per mile of railway ...	.....	87 5 3	8 0 1	.....	146 1[illegible] 8	13 9 3	21 9 4
For previous five weeks of half-year	463,641	540,524 10 1	49,548 1 10	2,272,818 10	11,61,825 6 6	106,500 13 3	156,048 15 1
Total for six weeks ...	550,006	6,52,306 4 2	59,794 14 10	2,620,357 30	13,49,794 13 9	123,731 3 11	183,525 18 9
Comparison.							
Total for corresponding week of previous year...	85,569	89,[illegible]44 13 10	8,217 8 11	321,394 0	1,65,899 12 4	15,207 9 6	23,424 18 5
Per mile of railway corresponding week of previous year ...	.....	70 1 0	6 8 5	.....	129 10 7	11 17 9	18 6 2
Total to corresponding date of previous year	535,015	6,39,491 11 4	58,620 1 6	2,351,022 10	14,44,782 5 8	132,438 7 7	191,058 9 1

EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 10th August 1872, on 223½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week	4,077	7,296 2 11	668 16 4	22,897 20	7,101 9 9	650 19 8	1,319 16 0
Or per mile of railway	.....	32 10 4	2 19 10	.....	31 12 5	2 18 3	5 18 1
For previous five weeks of half-year	21,479	49,765 0 8	4,561 15 11	152,757 30	42,569 0 6	3,902 3 2	8,463 19 1
Total for six weeks ...	25,556	57,061 3 7	5,230 12 3	175,655 10	49,670 10 3	4,553 2 10	9,783 15 1
Comparison.							
Total for corresponding week of previous year	3,004	7,167 9 10	657 0 7	29,930 10	8,100 10 2	742 11 3	1,399 11 10
Per mile of railway corresponding week of previous year	.....	32 2 3	2 18 11	.....	36 5 3	3 6 7	6 5 6
Total to corresponding date of previous year	21,594	53,625 15 2	4,915 14 2	173,988 0	46,698 7 6	4,280 13 11	9,196 8 1

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 10th August 1872, on 156½ miles open.

	Coaching Traffic.			Merchandise and Mineral Traffic.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	26,849½	15,540 9 6	1,424 11 1	95,987 8½	28,171 8 3	2,582 7 9	4,006 18 10
Or per mile of railway	172	99 4 10	9 2 1	613 0	180 0 2	16 10 0	25 12 1
For previous five weeks of half-year.	149,343½	80,980 2 9	7,123 3 7	599,933 27	1,63,178 15 5	14,958 1 3	22,381 4 10
Total for six weeks ...	176,193	96,520 12 3	8,847 14 8	695,920 35½	1,91,350 7 8	17,540 9 0	26,388 3 8
COMPARISON.							
Total for corresponding week of previous year	26,369	13,710 4 2	1,256 15 5	211,781 31	66,243 3 1	6,072 5 10	7,329 1 3
Per mile of railway corresponding week of previous year ...	168	87 9 8	8 0 7	1,353 0	423 4 6	38 16 0	46 16 7
Total to corresponding date of previous year	167,148	91,012 12 7	8,312 16 8	888,754 6	2,77,317 11 9	25,420 15 11	33,765 12 7

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SUPPLEMENT TO
The Calcutta Gazette.

WEDNESDAY, AUGUST 28, 1872.

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Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 24th August 1872.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.						
	Western Districts.	1872.				
BURDWAN DIVISION. 1	Burdwan ...	Aug. 27th*	1·60	Cloudy and sultry. More rain wanted.	Prospects of crops better. Grain market dull.	Little change for better or worse in public health. Many cases of cholera in and about the town. Dengue very prevalent.
2	Bancoorah ...	" 24th	1·02	Heavy rain in the north of the district; less in other parts.	Prospects are much brighter. The rain which fell during the week has allowed a great deal of rice to be planted out. If the season should continue favorable, a half crop is possible. Rice has fallen considerably in price; other crops doing well. Jenera gathered in.	General health good. A few cases of cholera.
3	Beerbhoom ...	" 24th	3·14	More or less rain almost all over the district, but still not as much as was wanted. There has been a good deal of distant thunder heard in the sudder station.	Rather more favorable than last week, but not generally flourishing.	
4	Midnapore ...	" 24th	2·63	Heavy rain has again fallen in the north of the district; elsewhere the character of the weather is unchanged.	From the Gurbetta subdivision a much more favorable return has been received. Generally, however, rain is much needed, the fall having varied from 6 inches in the north to 1 inch in the south. Prices show a decided tendency to rise.	
5	Hooghly ...	" 24th	3·36	Rainy, cloudy, and clear A heavy shower on Tuesday throughout the district.	Planting out of Amun going on. Aus, sugarcane, and jute, are fair crops. More rain wanted at once.	
	Howrah ...	" 24th	1·76	Cloudy; rain almost every day. At Ooloo-beriah heavy rain for two days. At and near Howrah rain fell on three days only in the week.	Aus, sugarcane, and jute, are moderately good. The rivers have risen, and this has enabled the ryots to prepare the low lands and transplant the seedlings of the amun crop. In the higher lands, where irrigation from the river floods is not possible, the Amun crop will be a failure, unless there is a heavy rain soon.	
	Central Districts.					
PRESIDENCY DIVN. 6	24-Pergunnahs ...	" 27th	2·18	Cloudy and warm, with frequent showers of rain. Mean Temp. 84° Direction of wind, south and east.	The Aus is ready, or nearly ready, for reaping all over the district. Heavy showers of rain have done a great deal of good to the Amun crop; but more rain is still wanted. Jute and sugarcane doing well.	Dengue and intermittent fever prevailing all over the district. Some isolated cases of cholera.

* Telegram received on the same day.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*)						
	Central Districts.—(*Contd.*)	1872.				
PRESY. DIVN. 7	Nuddea ...	Aug. 24th	0·68	Smart, heavy showers and sunshine.	Ous rice being cut; no account yet of the produce. Amun rice as last week. Jute improved by the rain. All other crops good.	
PRESY. DIVN. 8	Jessore ...	„ 24th	·66	Seasonable rain throughout the district.	Good.	
RAJSHAHYE DIVISION. 9	Moorshedabad ...	„ 24th	1·03	Showery, but no heavy, continuous rain. Morning comparatively cool.	The prospects of the Amun crop are better, especially in the Jungipore sub-division, where the rain has fallen 2·21, and about Rampore Haut, but in other parts more rain is greatly wanted. The hemp and mulberry crops have also been greatly benefited by the rain.	
RAJSHAHYE DIVISION. 10	Dinagepore ...	„ 24th	1·79	Showery throughout the district; more rain said to be wanted in the extreme south.	Bhadoi dhan being cut. It is expected there will be 8 to 10-anna outturn. Jute also being cut. The outturn will be variable, in some places a full crop—in others not more than 6 or 8 annas. Planting of rupa dhan being pushed on.	
RAJSHAHYE DIVISION. 11	Maldah ...	„ 24th	2·35	Cloudy, alternating with brisk sun. Rain more or less on five days of the week.	The bhadoi (early rice) is being gathered. An average crop is expected. The Amun (late rice) is in good condition.	
RAJSHAHYE DIVISION. 12	Rajshahye ...	„ 24th	0·85	Cloudy, with occasional bursts of sunshine. Heat very oppressive.	The prospects of the Amun crops are satisfactory, though rain is still required. The Aus crop is being reaped in some parts of the district. Rupa dhan is suffering considerably from want of rain. The sugar-cane is very good. Owing to the small quantity of rain that has fallen this year, the Arahar crop is not a good one. Jute has for the most part been gathered.	
RAJSHAHYE DIVISION. 13	Rungpore ...	„ 24th	1·92	Fairly cool during the first four days of the week, with occasional heavy showers. Since then intense heat and bright sunshine.	Good. The planting out of the rupa dhan has not yet terminated. At the sub-division of Bhowanigunge the Aus dhan and the jute crops are being cut.	
RAJSHAHYE DIVISION. 14	Bograh ...	„ 24th	0·92	Bright sunshine, occasionally obscured by cloud; weather close and muggy.	The rainfall throughout the district has been very scanty, and the crops are looking ill.	Moderately healthy.
RAJSHAHYE DIVISION. 15	Pubna ...	„ 24th	0·95	Cloudy, with some rain. Wind easterly.	The rain has done much good to paddy, jute, turmeric, and other produce of the season.	

	No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*)							
		Central Districts.—(*Contd.*)	1872.				
COOCH BEHAR DIVISION.	16	Darjeeling ...	Aug. 24th	5·75	Plenty of rain.	Hills.—Same as last week. The harvest of small crops is less than that of last year. Terai.—Sufficient rain has fallen. Hymunti dhan three-fourths transplanted. Bhadoi dhan has somewhat suffered. Pât is better this year.	Cholera has apparently left the district.
	17	Julpigoree ...	„ 24th	11·91	All that could be desired as far as crops are concerned. At Fallacotta rainfall still heavier than at sudder station; 11·18 having fallen in first four days of the week only. The 21st is latest date of subdivisional report.	Prospect of hymunti dhan good. Bhadoi reaped; has been an average 12-anna crop.	Cholera still hanging about. Season decidedly unhealthy.
		Cooch Behar ...	„ 17th	13·99	Heavy rain in the beginning, and showery weather in the latter part of the week.	Favorable.	
		Eastern Districts.					
DACCA DIVISION.	18	Dacca ...	„ 27th*	1·70	First four days fair and hot; last three days cloudy and rainy.	Prospects of crops favorable. Rivers rising.	
	19	Furreedpore ...	„ 24th	2·33	Heavy showers of rain three days in the week; continuous and strong sunshine during the remaining days.	The state of the crops in general is promising. The gradual rise of the river is expected to prove favorable.	
	20	Backergunge ...	...	...	.....	.....	Return not received.
	21	Mymensing ...	„ 24th	5·2	Hot, and for the latter part of the week very little rain.	Growing crops in fine condition. What rice is planted is doing well, but much more has to be planted, and for this more rain is required.	
	22	Sylhet ...	„ 17th	2·83	Pretty cool considering the small amount of rain which has fallen. Max. temperature of week 87° Minimum ditto 76° Range ... 11° Mean of all the highest readings ... 86° Ditto of lowest ditto ... 78·1° Approximate mean of week. 82°	Good. Chengri Aus crop reaped; ratai jangli is being cut.	
	23	Cachar ...	„ 17th	2·02	Cloudy, with slight rain every day.	The flood has gradually subsided, doing no damage but rather good In some parts of the district the asra is very good; most of the sail is transplanted.	
CHITTAGONG DIVN.	24	Chittagong ...	„ 17th	2·88	Windy and showery...	The Aus crop is ripening, and in some places reaping has commenced. Ploughing and transplanting of the later or Amun crop actively progressing. Prospects generally good. Some damage to paddy by worms reported from Nila, one of the Cox's Bazar thannahs.	
	25	Noakhally ...	„ 17th	6·27	Rainy, with high wind.	Reaping of the Aus crop nearly completed. Amun crop progressing favorably.	

* Telegram received on the same day.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
BENGAL.—(*Contd.*)						
	Eastern Districts.—(*Contd.*)	1872.				
CHITTAGONG DIVISION.—(*Contd.*)						
26	Tipperah ...	Aug. 24th	·9	Brilliant sunshine and great heat; very little rain, but the fair weather has been good for transplanting. A heavy shower last night, just at the right time, does not appear in this rainfall report.	Generally favorable. Outturn of Aus dhan scarcely a full one, owing to want of seasonable rain. The Amun rice is nearly all planted out.	
27	Chittagong Hill Tracts	„ 17th	3·87	Alternate rain and sunshine. Favorable to the crops.	The paddy and cotton both promising. The Indian-corn and the Aus paddy are over.	
	Hill Tipperah ...	„ 17th	1·82	Light rain; weather cloudy and warm with breaks of sunshine.	More rain wanted for cultivation and sowing.	No improvement in the state of health of the district since last return.
BEHAR.						
PATNA DIVISION.						
28	Patna ...	„ 27th*	0·62	Cool, with high east wind. Alternate clouds and sunshine.	Bhadoi crops all that could be wished, but more rain wanted for the rice crop.	Sickness, such as dengue and ordinary fever, continues unabated in the town and suburbs.
29	Gya ...	„ 24th	2·88	Rainy, misty, overcast.	Very satisfactory.	
30	Shahabad ...	„ 24th	·96	Cloudy and variable wind. Passing showers during the week. Thermometer. Maximum ... 92° Minimum ... 78° Barometer. Highest rdng. 29·560 Lowest rdng. 29·460	The bhadoi crop promises well, and should be reaped within three weeks. The indigo and sugar-cane crops are also reported favorably on. The aghani paddy crop in the head-quarters and Bhuboosh sub-divisions is in a healthy condition. Reports from the Sasseeram and Buxar sub-divisions have not been received yet.	
31	Tirhoot ...	„ 24th	3·8	Cloudy, with rain. Heavy showers fell in the north; in the south rain was moderate.	Second indigo crop coming up strong. All bhadoi crops continue promising. Transplantation of rice seedlings is nearly over. The recent rains have done good to all crops.	
32	Sarun ...	„ 24th	·43	East and west winds. Slight rain general throughout the district.	Rice and other crops are doing well. Bhadoi promising. "Murwa" and "shama" are being cut. Transplantation of rice seedlings is being pushed on, and will shortly be completed. Second indigo crops hopeful.	
33	Chumparun ...	„ 24th	3·40	Heavy rain pretty general throughout the week. Weather continues hot.	The rain has greatly benefited the crops. The bhadoi crops are in excellent growth. The rice prospects are fair. The second cutting of indigo is rapidly progressing.	
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34	Monghyr ...	„ 24th	5·09	Sudder Station.—Showers very heavy indeed, and wind more frequent than last week.	Good for all food-grains. The jenera crop has been most unusually heavy and plentiful. The rice in the south has benefited very much by the rain.	
35	Bhaugulpore ...	„ 27th*	4·	Heavy rain in many places, especially south of Ganges. More rain wanted. Generally transplanting Aghani rice still going on.	Prospect hopeful ...	General health very good. Dengue spreading still in town.
36	Purneah ...	„ 24th	1·48	Seasonable. Fair amount of rain.	Very good, except that in the south the rise of the Ganges has done a little damage.	

* Telegram received on the same day.